FERNS AND FERN ALLIES

Dittmer, H.J., E.F. Castetter, & O.M. Clark. 1954. The ferns and fern allies of New Mexico. Univ. New Mexico Publ. Biol. No. 6.

Family ASPLENIACEAE

Asplenium spleenwort

Alexander, P. 2006. Two ferns not occurring in New Mexico. The New Mexico Botanist 35:2. [*Asplenium palmeri*]
Bennert, W. & G. Fischer. 1993. Biosystematics and evolution of the *Asplenium trichomanes* complex. Webbia 48:743-760.
Wagner, W.H. Jr., R.C. Moran, C.R. Werth. 1993. Aspleniaceae, pp. 228-245. IN: Flora of North America, vol.2. Oxford Univ. Press.

palmeri Maxon : Reported by M&H and Wagner & Moran (1993), but no validating specimens have been located; awaits verification (Alexander 2006).

platyneuron (Linnaeus) Britton, Sterns, & Poggenburg [M&H; Wagner & Moran 1993]
ebony spleenwort

resiliens Kunze [M&H; W&S; Wagner & Moran 1993]
black-stem spleenwort

septentrionale (Linnaeus) Hoffmann [M&H; W&S; Wagner & Moran 1993]
forked spleenwort

trichomanes Linnaeus [Bennert & Fischer 1993; M&H; W&S; Wagner & Moran 1993]
maidenhair spleenwort

Family AZOLLACEAE

Azolla mosquito-fern

Lumpkin, T.A. 1993. Azollaceae, pp. 338-342. IN: Flora of North America, vol. 2. Oxford Univ. Press.

caroliniana Willdenow : Reports in W&S apparently belong to Azolla mexicana Presl, though Azolla caroliniana is known adjacent to NM near the Texas State line (Lumpkin 1993).

mexicana Schlechtendal & Chamisso ex K. Presl [Lumpkin 1993; M&H]
Mexican mosquito-fern

Family DENNSTAEDTIACEAE

Pteridium bracken-fern

Jacobs, C.A. & J.H. Peck. *Pteridium*, pp. 201-203. IN: Flora of North America, vol. 2. Oxford Univ. Press.

aquilinum (Linnaeus) Kuhn var. ***pubescens*** Underwood [Jacobs & Peck 1993; M&H; W&S]
bracken-fern

Family DRYOPTERIDACEAE

Athyrium lady-fern

Kato, M. 1993. *Athyrium*, pp. 255-258. IN: Flora of North America, vol. 2. Oxford Univ. Press.

filix-femina (Linnaeus) Roth ex Mertens var. ***californicum*** Butters [Kato 1993; M&H; W&S]
southwestern lady-fern

Cyrtomium auriculatum (Underwood) C.V. Morton = Phanerophlebia auriculata Underwood

Cystopteris bladder-fern

Haufler, C.H., R.C. Moran, & M.D. Windham. 1993. *Cystopteris*, pp. 263-270. IN: Flora of North America, vol. 2. Oxford Univ. Press.
Lellinger, D.B. 1985. A Field Manual of the Ferns & Fern-Allies of the United States & Canada. Smithsonian Institution Press. 389 pp. [*Cystopteris tenuis*]

bulbifera (Linnaeus) Bernhardi [Haufler et al. 1993; M&H]
bulblet bladder-fern

fragilis (Linnaeus) Bernhardi [Haufler et al. 1993; M&H; W&S]
brittle bladder-fern
Filix fragilis (Linnaeus) Gilib
Polypodium fragilis Linnaeus

fragilis (Linnaeus) Bernhardi subsp. *tenuifolia* Clute = Cystopteris reevesiana Lellinger

reevesiana Lellinger [Haufler et al. 1993; M&H]
Reeves bladder-fern
Cystopteris fragilis (Linnaeus) Bernhardi subsp. *tenuifolia* Clute

tenuis (Michaux) Desvaux [Lellinger 1985]
slender bladder-fern

utahensis Windham & Haufler : Reported without documentation by Kartesz (1999); awaits verification.

Dryopteris male-fern

Montgomery, J.D. & W.H. Wagner, Jr. 1993. *Dryopteris*, pp. 280-288. IN: Flora of North America, vol. 2. Oxford Univ. Press.

disjuncta (Ruprecht) Morton [=Gymnocarpium disjuncta (Ruprecht) Ching] : This name is incorrectly listed as a synonym of Gymnocarpium dryopteris (Linnaeus) Newman by M&H; the species is not known from NM (Montgomery & Wagner 1993).

linnaeana C. Christensen = Gymnocarpium dryopteris (Linnaeus) Newman

filix-mas (Linnaeus) Schott [M&H; Montgomery & Wagner 1993; W&S]
male-fern
Polypodium filix-mas Linnaeus

Filix fragilis (Linnaeus) Gilib = Cystopteris fragilis (Linnaeus) Bernhardi

Gymnocarpium oak-fern

Pryor, K.M. 1993. *Gymnocarpium*, pp. 258-260. IN: Flora of North America, vol. 2. Oxford Univ. Press.

dryopteris (Linnaeus) Newman [M&H; Pryor 1993]
northern oak-fern
Dryopteris linnaeana C. Christensen

Phanerophlebia veiny-fern

Yatskievych, G. 1993. *Phanerophlebia*, pp. 300-301. IN: Flora of North America, vol. 2. Oxford Univ. Press.

auriculata Underwood [M&H; W&S; Yatskievych 1993]
eared veiny-fern
Cyrtomium auriculatum (Underwood) C.V. Morton

Polypodium felix-mas Linnaeus = Dryopteris felix-mas (Linnaeus) Schott

fragilis Linnaeus = Cystopteris fragilis (Linnaeus) Bernhardi

Polystichum lonchitis (Linnaeus) Roth : Reported from northern NM by M&H, but Yatskievych (1993) shows the nearest location in southeastern Arizona; needs verification.

Woodsia cliff-fern

Heil, K.D. & S.L. O'Kane, Jr. 2003. Catalog of the Four Corners flora: Vascular plants of the San Juan River drainage, Arizona, Colorado, New Mexico and Utah. Harvard Papers in Botany 7(2):321-379.

Windham, M.D. 1993. *Woodsia*, pp. 270-280. IN: Flora of North America, vol. 2. Oxford Univ. Press.

cochisensis Windham [Windham 1993]
Cochise cliff-fern

mexicana Fee sensu stricto : Not in NM; see Woodsia neomexicana Windham and Woodsia phillipsii Windham.

neomexicana Windham [Windham 1993]
New Mexico cliff-fern

oregana D. C. Eaton subsp. ***cathcartiana*** (B.L. Robinson) Windham [M&H; Windham 1993]
Oregon cliff-fern

phillipsii Windham [Windham 1993]
Phillip's cliff-fern

plummerae Lemmon [M&H; W&S; Windham 1993]
Plummer's cliff-fern
Woodsia pusilla E. Fournier var. *glandulosa* (Eaton & Faxon) Taylor

pusilla E. Fournier var. *glandulosa* (Eaton & Faxon) Taylor = Woodsia plummerae Lemmon

scopulina D. C. Eaton : Reported for NM by Heil & O'Kane (2003) and M&H but not by Windham (1993); needs verification.

Family EQUISETACEAE

Equisetum horsetail

Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233. [***E. nelsonii***]

Hauke, R.L. 1993. Equisetaceae, pp. 76-84. IN: Flora of North America, vol. 2. Oxford Univ. Press.

Heil, K.D. & S.L. O'Kane, Jr. 2003. Catalog of the Four Corners flora: Vascular plants of the San Juan River drainage, Arizona, Colorado, New Mexico and Utah. Harvard Papers in Botany 7(2):321-379. [***E. variegatum***]

arvense Linnaeus [Hauke 1993; M&H; W&S]
field horsetail

×***ferrissii*** Clute [Hauke 1993]
Ferriss's hybrid horsetail

hyemale Linnaeus subsp. ***affine*** (Engelmann) Calder & R.L. Taylor [Hauke 1993; M&H; W&S]
rough horsetail
Equisetum hyemale Linnaeus var. *affine* (Engelmann) A.A. Eaton
Equisetum robustum A. Braun

hyemale Linnaeus var. *affine* (Engelmann) A.A. Eaton = Equisetum hyemale Linnaeus subsp. affine (Engelmann) Calder & R.L. Taylor

kansanum Schaffner = Equisetum laevigatum A. Braun

laevigatum A. Braun [Hauke 1993; M&H; W&S]
smoth horsetail
Equisetum kansanum Schaffner

×***nelsonii*** (A.A. Eaton) J.H. Schaffner [Hartman et al. 2006]
Nelson's hybrid horsetail

pratense Ehrhart : Reported by Heil & O'Kane (2003), but this known from Canada and the northeastern United States; needs verification.

robustum A. Braun = Equisetum hyemale Linnaeus subsp. affine (Engelmann) Calder & R.L. Taylor

variegatum Schleicher [Heil & O'Kane 2003]
variegated horsetail

Family ISOËTACEAE

Isoëtes quillwort

Taylor, W.C., N.T. Luebke, D.M. Britton, R.J. Hickey, & D.F. Brunton. 1993. Isoëtaceae, pp. 64-75. IN: Flora of North America, vol. 2. Oxford Univ. Press.

bolanderi Engelmann [M&H; Taylor et al. 1993]
Bolander's quillwort

Family LYCOPODIACEAE

Huperzia clubmoss

Sivinski, R., T. Lowrey, & C. Keller. 1995. Additions to the floras of Colorado and New Mexico. Phytologia 79(5):319-324. [*Huperzia lucidula*]
Wagner, W.H., Jr. & J.M. Beitel. 1993. Lycopodiaceae, pp. 18-37. IN: Flora of North America, vol. 2. Oxford Univ. Press.

lucidula (Michaux) Trevisan [Sivinski et al. 1995]
shining clubmoss

Lycopodium ground-pine

Sivinski, R., T. Lowrey, & C. Keller. 1995. Additions to the floras of Colorado and New Mexico. Phytologia 79(5):319-324. [*Lycopodium clavatum*]
Wagner, W.H., Jr. & J.M. Beitel. 1993. Lycopodiaceae, pp. 18-37. IN: Flora of North America, vol. 2. Oxford Univ. Press.

annotinum Linnaeus [M&H; Wagner & Beitel 1993]
stiff ground-pine

clavatum Linnaeus [Sivinski et al. 1995]
running ground-pine

Family MARSILEACEAE

Marsilea pepperwort

Johnson, D.M. 1993. Marsileaceae, pp. 331-335. IN: Flora of North America, vol. 2. Oxford Univ. Press.

fournieri C. Christsensen = Marsilea vestita Hooker & Greville
minuta Fournier = Marsilea vestita Hooker & Greville
mucronata A. Braun = Marsilea vestita Hooker & Greville

vestita Hooker & Greville [Johnson 1993; M&H; W&S]
hooked pepperwort
Marsilea fournieri C. Christsensen
Marsilea minuta Fournier
Marsilea mucronata A. Braun

Family OPHIOGLOSSACEAE

Botrychium moonwort

Isaacs, B. 1977. Native Plant Society of New Mexico News. Oct:1-2. [*B. lunaria*]
Lellinger, D.B. 1985. A Field Manual of the Ferns & Fern-Allies of the United States & Canada. Smithsonian Institution Press. 389 pp.
Spellenberg, R. 2004. Plant distribution reports. The New Mexico Botanist 29:7. [*B. echo*]
Wagner, W.H., Jr. & F.S. Wagner. 1993. Ophioglossaceae, pp. 85-106. IN: Flora of North America, vol. 2. Oxford Univ. Press.

echo W.H. Wagner [Spellenberg 2004]
reflected moonwort

lanceolatum (S.G. Gmelin) Ångström [Isaacs 1977; Wagner & Wagner 1993]
lance-leaf moonwort
Osmunda lanceolata S.G. Gmelin

lunaria (Linnaeus) Swartz [Isaacs 1977; Lellinger 1985]
common moonwort

matricariifolium A. Braun : Reported for NM by Spellenberg (1978), but the specimen is referred to Botrychium echo W.H. Wagner. Botrychium matricariifolium s.s. occurs from Minnesota eastward (Spellenberg 2004; Wagner & Wagner 1993).

multifidum (S.G. Gmelin) Ruprecht subsp. coulteri (Underwood) Clausen : Reported as expected by M&H; awaits verification.

simplex E. Hitchcock [Lellinger 1985; M&H]
least moonwort

virginianum (Linnaeus) Swartz [Wagner & Wagner 1993]
rattlesnake fern

Ophioglossum adder's-tongue

Wagner, W.H., Jr. & F.S. Wagner. 1993. Ophioglossaceae, pp. 85-106. IN: Flora of North America, vol. 2. Oxford Univ. Press.

engelmannii Prantl [Wagner & Wagner 1993]
Engelmann's adder's-tongue

Family OSMUNDACEAE

Whetstone, R.D. & T.A. Atkinson. 1993. Osmundaceae, pp. 107-109. IN: Flora of North America, vol. 2. Oxford Univ. Press.

Osmunda cinnamomea Linnaeus : Reported as expected by M&H, but occurring from east Texas and eastward (Whetstone & Atkinson 1993).

lanceolata S.G. Gmelin = Botrychium lanceolatum (S.G. Gmelin) Ångström

Family POLYPODIACEAE

Adiantum = see PTERIDACEAE
Asplenium = see ASPLENIACEAE
Athyrium = see DRYOPTERIDACEAE
Bommeria = see PTERIDACEAE
Cheilanthes = see PTERIDACEAE
Cryptogramma = see PTERIDACEAE
Cystopteris = see DRYOPTERIDACEAE
Dryopteris = see DRYOPTERIDACEAE
Gymnocarpium = see DRYOPTERIDACEAE
Notholaena = see PTERIDACEAE
Pellaea = see PTERIDACEAE

Phanerophlebia = see DRYOPTERIDACEAE
Pityrogramma = see PTERIDACEAE
Pleopeltis riograndense (T. Wendt) Andrews & Windham : Reported for NM by Kartesz (1999) without documentation, perhaps based on Tidestrom & Kittell (1941), who reported "western Texas to southeastern Arizona; it has not yet been found in NM and awaits verification.
Polypodium thyssanolepis A. Braun ex Klotzsch
Polypodium polypody
Haufler, C.H., M.D. Windham, F.A. Lang, & S.A. Whitmore. 1993. *Polypodium*, pp. 315-323. IN: Flora of North America, vol. 2. Oxford Univ. Press.
hesperium Maxon [Haufler et al. 1993; M&H; W&S]
western polypody
Polypodium vulgare Linnaeus var. *columbianum* Gilbert
saximontanum Windham [Haufler et al. 1993]
Rocky Mountain polypody
thyssanolepis A. Braun ex Klotzsch = Pleopeltis riograndense (T. Wendt) Andrews & Windham
vulgare Linnaeus = Polypodium hesperium Maxon
vulgare Linnaeus var. *columbianum* Gilbert = Polypodium hesperium Maxon
Polystichum = see DRYOPTERIDACEAE
Pteridium = see DENNSTAEDTIACEAE
Woodsia = see DRYOPTERIDACEAE

Family PTERIDACEAE

Gastony, G.J. & D.R. Rollo. 1998. Cheilanthoid ferns (Pteridaceae: Cheilanthoideae) in the southwestern United States and adjacent Mexico -- a molecular phylogenetic reassessment of generic lines. Aliso 17(2):131-144.
Acrostichum sinuatum Lagasca ex Swartz = Astrolepis sinuata (Lagasca ex Swartz) D.M. Benham & Windham subsp. sinuata
Adiantum maiden-hair
Paris, C.A. 1993. *Adiantum*, pp. 125-130. IN: Flora of North America, vol. 2. Oxford Univ. Press.
capillus-veneris Linnaeus [M&H; Paris 1993; W&S]
southern maiden-hair
Argyrochosma cloak-fern
Windham, M.D. 1993. *Argyrochosma*, pp. 171-174. IN: Flora of North America, vol. 2. Oxford Univ. Press.
fendleri (Kunze) Windham [M&H; W&S; Windham 1993]
Fendler's cloakfern
Notholaena fendleri Kunze
Pellaea fendleri (Kunze) Prantl
incana (C. Presl) Windham [Windham 1993]
hairy cloakfern
limitanea (Maxon) Windham subsp. ***limitanea*** [M&H; Windham 1993]
southwestern false-cloakfern
Notholaena limitanea Maxon
Pellaea limitanea (Maxon) Morton
limitanea (Maxon) Windham subsp. ***mexicana*** (Maxon) Windham [Windham 1993]
southwestern false-cloakfern
microphylla (Mettenius ex Kuhn) Windham [M&H; W&S; Windham 1993]
little-leaf cliffbrake
Pellaea microphylla Met. ex Kuhn
Pellaea pulchella sensu W&S
Astrolepis cloak-fern
Benham, D.M. & M.D. Windham. 1993. *Astrolepis*, pp. 140-143. IN: Flora of North America, vol. 2. Oxford Univ. Press.
cochisensis (Goodding) D.M. Benham & Windham subsp. ***chihuahuensis*** D.M. Benham [Benham & Windham 1993]
jimmyfern
cochisensis (Goodding) D.M. Benham & Windham subsp. ***cochisensis*** [Benham & Windham 1993; M&H]
jimmyfern
Notholaena cochisensis Goodding
Notholaena sinuata (Lagasca) Kaulfuss var. *cochisensis* (Goodding) Weatherby
integerrima (Hooker) D.M. Benham & Windham [Benham & Windham 1993; M&H; W&S]
southwestern cloakfern
Notholaena sinuata (Lagasca) Kaulfuss var. *integerrima* Hooker
sinuata (Lagasca ex Swartz) D.M. Benham & Windham subsp. ***mexicana*** D.M. Benham [Benham & Windham 1993]
wavy cloakfern
sinuata (Lagasca ex Swartz) D.M. Benham & Windham subsp. ***sinuata*** [Benham & Windham 1993; M&H; W&S]
wavy cloakfern
Acrostichum sinuatum Lagasca ex Swartz
Notholaena sinuata (Lagasca ex Swartz) Kaulfuss
windhamii D.M. Benham [Benham & Windham 1993]
Windham's cloakfern
Bommeria boomeria

Haufler, C.H. 1993. *Bommeria*, pp. 151-152. IN: Flora of North America, vol. 2. Oxford Univ. Press.

hispida (Mettenius ex Kuhn) Underwood [Haufler 1993; M&H; W&S]
hairy bommeria
Gymnopteris hispida (Mettenius) Underwood
Gymnogramma hispida Mettenius

Cheilanthes lipfern

Todsen, T.K. 1980. A report on the survey for rare plant species at the Bioresearch Ranch, central Peloncillo Mountains, Hidalgo County, New Mexico. New Mexico State Heritage Program, Department of Natural Resources. [*Cheilanthes pringlei*]

Wagner, W.L. 1979. New records to the Animas Mountain flora, New Mexico. Southw. Naturalist 24(2):291-296. [*Cheilanthes pringlei*]

Windham, M.D. & E.W. Rabe. 1993. *Cheilanthes*, pp. 152-169. IN: Flora of North America, vol. 2. Oxford Univ. Press.

aemula Maxon : Reported as expected by M&H; awaits verification.

alabamensis (Buckley) Kunze [M&H; Windham & Rabe 1993]
Alabama lipfern
Pteris alabamensis Buckley

bonariensis (Willdenow) Proctor [W&S; Windham & Rabe 1993]
slender lipfern
Notholaena aurea (Poiret) Desvaux
Notholaena bonariensis (Willdenow) C. Christsensen
Pellaea ferruginea Nees
Pteris aurea Poiret

eatonii Baker [M&H; W&S; Windham & Rabe 1993]
Eaton's lipfern

feei Moore [M&H; W&S; Windham & Rabe 1993]
Santa Fe lipfern

fendleri Hooker [M&H; W&S; Windham & Rabe 1993]
Fendler's lipfern

horridula Maxon : Reported by M&H and W&S, but the locality of the known single specimen is strongly questionable and presumed not to be from NM; awaits verification (Alexander 2006).
Cheilanthes scabra C. Christensen

lindheimeri (J. Smith) Hooker [M&H; W&S; Windham & Rabe 1993]
fairy swords

myriophylla Desvaux = Cheilanthes villosa Davenport ex Maxon

pringlei Davenport [M&N; Todsen 1980; Wagner 1979] Note: Windham & Rabe (1993) restrict this species to the Sonoran desert and regard these reports as misidentifications; specimens perhaps need verification.
Pringles' lipfern

scabra C. Christensen = Cheilanthes horridula Maxon

tomentosa Link [M&H; Windham & Rabe 1993]
wooly lipfern

villosa Davenport ex Maxon [M&H; W&S; Windham & Rabe 1993]
hairy lipfern
Cheilanthes myriophylla Desvaux

wootonii Maxon [M&H; Windham & Rabe 1993]
Wooton's lipfern

wrightii Hooker [M&H; W&S; Windham & Rabe 1993]
Wright's lipfern

yavapensis T. Reeves ex Windham [Windham & Rabe 1993]
graceful lipfern

Cryptogramma rockbrake

Alverson, E.R. 1993. *Cryptogramma*, pp. 137-139. IN: Flora of North America, vol. 2. Oxford Univ. Press.

acrostichoides R. Brown [Alverson 1993; M&H]
American rockbrake
Cryptogramma crispa (Linnaeus) R. Brown var. *acrostichoides* (R. Brown) C.B. Clarke

crispa (Linnaeus) R. Brown var. *acrostichoides* (R. Brown) C.B. Clarke = Cryptogramma acrostichoides R. Brown

stelleri (S.G. Gmelin) Prantl : Reported as expected by M&H; awaits verification.

Gymnogramma hispida Mettenius = Bommeria hispida (Mettenius) Underwood

Gymnopteris hispida (Mettenius) Underwood = Bommeria hispida (Mettenius) Underwood

Notholaena cloak-fern

Windham, M.D. 1993. *Notholaena*, pp. 143-149. IN: Flora of North America, vol. 2. Oxford Univ. Press.

aschenborniana Klotzsch : Reported as expected by M&H map; awaits verification.

aurea (Poiret) Desvaux = Cheilanthes bonariensis (Willdenow) Proctor

bonariensis (Willdenow) C. Christsensen = Cheilanthes bonariensis (Willdenow) Proctor

cochisensis Goodding = Astrolepis cochisensis (Goodding) D.M. Benham & Windham

dealbata (Pursh) Kunze [=Argyrochosma dealbata (Pursh) Windham] : Reported by W&S, but not occurring in NM (M&H; Windham 1993).

fendleri Kunze = Argyrochosma fendleri (Kunze) Windham

grayi Davenport [Windham 1993]
Gray's cloak-fern

Cheilanthes grayi (Davenport) Domin
hookeri D. C. Eaton = Notholaena standleyi Maxon
limitanea Maxon = Agryrochosma limitanea (Maxon) Windham
sinuata (Lagasca) Kaulfuss var. *cochisensis* (Goodding) Weatherby = Astrolepis cochisensis (Goodding) D.M. Benham & Windham subsp. cohisensis
sinuata (Lagasca) Kaulfuss var. *integerrima* Hooker = Astrolepis integerrima (Hooker) D.M. Benham & Windham
sinuata (Lagasca ex Swartz) Kaulfuss var. *sinuata* = Astrolepis sinuata (Lagasca ex Swartz) D.M. Benham & Windham subsp. sinuata
standleyi Maxon [M&H; W&S; Windham 1993]
Standley's cloak-fern
Notholaena hookeri D. C. Eaton

Pellaea cliffbrake

Windham, M.D. 1993. *Pellaea*, pp. 175-186. IN: Flora of North America, vol. 2. Oxford Univ. Press.

atropurpurea (Linnaeus) Link [M&H; W&S; Windham 1993]
purple cliffbrake
Pteris atropurpurea Linnaeus
fendleri (Kunze) Prantl = Argyrochosma fendleri (Kunze) Windham
ferruginea Nees = Cheilanthes bonariensis (Willdenow) Proctor
glabella Mettenius ex Kuhn. subsp. ***simplex*** (Butters) A. Löve & D. Löve [M&H; Windham 1993]
smooth cliffbrake
Pellaea glabella Mettenius ex Kuhn. var. *simplex* Butters
Pellaea suksdorfiana Butters
intermedia Mettenius ex Kuhn [M&H; W&S; Windham 1993]
creeping cliffbrake
limitanea (Maxon) Morton = Argyrochosma limitanea (Maxon) Windham subsp. limitanea
longimucronata Hooker= Pellaea truncata Goodding
microphylla Met. ex Kuhn = Argyrochosma microphylla (Met. ex Kuhn) Windham
mucronata sensu W&S = Pellaea wrightiana Hooker
ovata (Desvaux) Weatherby : Reported for NM by Correll & Johnston (1970) and Tidestrom & Kittell (1941), but excluded from NM by Windham (1993); needs verification.
pulchella sensu W&S = Argyrochosma microphylla (Mettenius ex Kuhn) Windham
scabra C. Christensen = Cheilanthes horridula Maxon
suksdorfiana Butters = Pellaea glabella Mettenius ex Kuhn. subsp. simplex (Butters) A. Löve & D. Löve
ternifolia sensu W&S = Pellaea wrightiana Hooker
truncata Goodding [M&H; Windham 1993]
spiny cliffbrake
Pellaea longimucronata Hooker
Pellaea wrightiana Hooker var. *longimucronata* (Hooker) Davenport
wrightiana Hooker [M&H; W&S; Windham 1993]
Wright cliffbrake
Pellaea ternifolia (Cavanilles) Link var. *wrightiana* (Hooker) Tryon
wrightiana Hooker var. *longimucronata* (Hooker) Davenport = Pellaea truncata Goodding

Pentagramma goldfern

Yatskievych, G. & M.D. Windham. 1993. *Pentagramma*, pp. 149-151. IN: Flora of North America, vol. 2. Oxford Univ. Press.

triangularis (Kaulfuss) Yatskievych, Windham, & E. Wollenweber subsp. ***maxonii*** (Weatherby) Yatskievych, Windham, & E. Wollenweber [M&H; Yatskievych 1993]
western goldfern
Pityrogramma triangularis (Kaulfuss) Maxon
Pityrogramma triangularis (Kaulfuss) Maxon = Pentagramma triangularis (Kaulfuss) Yatskievych, Windham, & E. Wollenweber subsp. maxonii (Weatherby) Yatskievych, Windham, & E. Wollenweber
Pteris alabamensis Buckley = Cheilanthes alabamensis (Buckley) Kunze
atropurpurea Linnaeus = Pellaea atropurpurea (Linnaeus) Link
aurea Poiret = Cheilanthes bonariensis (Willdenow) Proctor

Family SALVINIACEAE

Azolla = see AZOLLACEAE

Salvinia water-spangles

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Salvinia minima*]
Nauman, C.E. 1993. Salviniaceae, pp. 336-337. IN: Flora of North America, vol. 2. Oxford Univ. Press.

****minima*** Baker [Allred 1999]
water-spangles

Family SELAGINELLACEAE

Selaginella spikemoss

Valdespino, I.A. 1993. Selaginellaceae, pp. 38-63. IN: Flora of North America, vol. 2. Oxford Univ. Press.

arizonica Maxon : Reported as expected by M&H map; awaits verification.
densa Rydberg var. ***densa*** [Valdespino 1993; W&S]
dense spikemoss

densa Rydberg var. *scopulorum* (Maxon) R. Tryon = Selaginella scopulorum Maxon
fendleri Hieronymus (non Baker) = Selaginella underwoodii Hieronymus
lepidophylla (Hooker & Greville) Spring [M&H; Valdespino 1993]
resurrection plant, flower-of-stone
mutica D.C. Eaton ex Underwood var. ***limitanea*** Weatherby [M&H; Valdespino 1993]
blunt-leaf spikemoss
mutica D.C. Eaton ex Underwood var. ***mutica*** [M&H; Valdespino 1993; W&S]
blunt-leaf spikemoss
×***neomexicana*** Maxon [M&H; Valdespino 1993]
New Mexico spikemoss
peruviana (Milde) Hieronymus [M&H; Valdespino 1993]
Peruvian spikemoss
pilifera A. Braun [M&H; Valdespino 1993]
resurrection plant
Selaginella pringlei Baker
Selaginella pilifera A. Braun var. *pringlei* (Baker) Morton
pilifera A. Braun var. *pringlei* (Baker) Morton = Selaginella pilifera A. Braun
pringlei Baker = Selaginella pilifera A. Braun
rupestris (Linnaeus) Spring var. *rupincola* (Underwood) Clute = Selaginella rupincola Underwood
rupincola Underwood [M&H; Valdespino 1993; W&S]
ledge spikemoss
Selaginella rupestris (Linnaeus) Spring var. *rupincola* (Underwood) Clute
scopulorum Maxon [M&H; Valdespino 1993]
Rocky Mountain spikemoss
Selaginella densa Rydberg var. *scopulorum* (Maxon) R. Tryon
underwoodii Hieronymus [M&H; Valdespino 1993; W&S]
Underwood's spikemoss
Selaginella fendleri Hieronymus (non Baker)
weatherbiana R. Tryon [M&H; Valdespino 1993]
Weatherby spikemoss
wrightii Hieronymus [M&H; Valdespino 1993; W&S]
Wright's spikemoss

GYMNOSPERMS

Family CUPRESSACEAE

[Juniperaceae]

Watson, F.D. & J.E. Eckenwalder. 1993. Cupressaceae, pp. 399-422. IN: Flora of North America, vol. 2. Oxford University Press.

Cupressus cypress

arizonica Greene [M&H; W&S; Watson 1993]

Arizona cypress

Juniperus juniper

Adams, R.P. 1993. *Juniperus*, pp. 412-420. IN: Flora of North America, vol. 2. Oxford Univ. Press.

Adams, R.P. 1994. Geographic variation and systematics of monospermous *Juniperus* (Cupressaceae) from the Chihuahua Desert based on RAPDs and terpenes. Biochem. Syst. Ecol. 22(7):699-710.

Adams, R.P. & T.A. Zanoni. 1979. The distribution, synonymy, and taxonomy of three junipers of southwestern United States and northern Mexico. Southw. Natural. 24(2):323-329.

ashei Buchholz : Reported by M&H, but not by Adams (1993); needs verification.

coahuilensis (Martinez) Gaussen ex R.P. Adams var. ***arizonica*** R.P. Adams [Adams 1994]

roseberry juniper

Juniperus erythrocarpa Cory var. *coahuilensis* Martinez

communis Linnaeus var. ***depressa*** Pursh [Adams 1993; M&H; W&S]

dwarf juniper

communis Linnaeus var. saxatilis Pallas [=Juniperus communis Linnaeus var. montana Aiton] : Reported by M&H, but not yet known from NM (Adams 1993).

deppeana Steudel [Adams 1993; M&H; W&S]

alligator juniper

Juniperus pachyphloea Torrey

Juniperus deppeana Steudel var. *pachyphloea* (Torrey) Martinez

deppeana Steudel var. *pachyphloea* (Torrey) Martinez = Juniperus deppeana Steudel

erythrocarpa Cory = Juniperus pinchottii Sudworth

erythrocarpa Cory var. *coahuilensis* Martinez = Juniperus coahuilensis (Martinez) Gaussen ex R.P. Adams var. arizonica R.P. Adams

gymnocarpa (Lemmon) Cory = Juniperus monosperma (Engelmann) Sargent

megalocarpa Sudworth = Juniperus osteosperma (Torrey) Little

mexicana Sprengel var. *monosperma* (Engelmann) Cory = Juniperus monosperma (Engelmann) Sargent

monosperma (Engelmann) Sargent [Adams 1993; M&H; W&S]

one-seed juniper

Juniperus gymnocarpa (Lemmon) Cory

Juniperus mexicana Sprengel var. *monosperma* (Engelmann) Cory

Juniperus occidentalis var. *monosperma* Engelmann

monosperma (Engelmann) Sargent var. *pinchotti* (Sudworth) Van Melle = Juniperus pinchotii Sudworth

occidentalis Hooker var. *monosperma* Engelmann = Juniperus monosperma (Engelmann) Sargent

osteosperma (Torrey) Little [Adams 1993; M&H; W&S]

Utah juniper

Juniperus utahensis (Engelmann) Lemmon

Juniperus megalocarpa Sudworth

pachyphloea Torrey = Juniperus deppeana Steudel

pinchotii Sudworth [Adams 1993; M&H]

Pinchot's juniper, redberry juniper

Juniperus erythrocarpa Cory

Juniperus monosperma (Engelmann) Sargent var. *pinchotti* (Sudworth) Van Melle

scopulorum Sargent [Adams 1993; M&H; W&S]

Rocky Mountain juniper

Juniperus virginiana Linnaeus var. *scopulorum* (Sargent) Lemmon

sibirica Burgsdorff [=Juniperus communis Linnaeus var. montana Aiton] : Not occurring in NM.

utahensis (Engelmann) Lemmon = Juniperus osteosperma (Torrey) Little

virginiana Linnaeus var. *scopulorum* (Sargent) Lemmon = Juniperus scopulorum Sargent

Taxodium

St. Hilaire, R. 2001. Seed coat treatments influence germination of *Taxodium mucronatum*. Desert Plants 17(1):15-18.

distichum (Linnaeus) L.C. Richard var. mexicanum Gordon : Reported for NM by St. Hilaire (2001), based on seed given him by a nurseryman; locality in question; awaits verification.

Taxodium mucronatum M. Tenore

mucronatum M. Tenore = Taxodium distichum (Linnaeus) L.C. Richard var. mexicanum Gordon

Family EPHEDRACEAE

Ephedra ephedra

Cutler, H.C. 1939. Monograph of the North American species of the genus Ephedra. Ann. Missouri Bot. Gard. 26:373-427.

Powell, A.M. 1988. Trees and Shrubs of Trans-Pecos Texas. Big Bend Natural History Assoc.

Stevenson, D.W. 1993. Ephedraceae, pp. 428-434. IN: Flora of North America, vol. 2. Oxford University Press.

antisyphilitica Berlandier : Reported by M&H and W&S from southern NM, but validating specimens have not been found; both Stevenson (1993) and Powell (1988) report it east of NM.

aspera Engelmann ex S. Watson [M&H; Stevenson 1993]
rough ephedra
Ephedra nevadensis S. Watson var. *aspera* (Engelmann ex S. Watson) L. Benson
coryi E. L. Reed [Stevenson 1993; Powell 1988]
Cory's ephedra
cutleri Peebles [M&H; Stevenson 1993]
Cutler's ephedra
Ephedra viridis Coville var. *viscida* (Cutler) L. Benson
×*intermixta* Cutler (hybrid between Ephedra torreyana × E. trifurca) = Ephedra trifurca Torrey ex S. Watson
nevadensis S. Watson var. *aspera* (Engelmann ex S. Watson) L. Benson = Ephedra aspera Engelmann ex S. Watson
torreyana Torrey ex S. Watson var. ***torreyana*** [M&H; Stevenson 1993; W&S]
Torrey's ephedra
trifurca Torrey ex S. Watson [M&H; Stevenson 1993; W&S]
longleaf ephedra
Ephedra ×*intermixta* Cutler
viridis Coville [M&H; Stevenson 1993; W&S]
green ephedra
viridis Coville var. *viscida* (Cutler) L. Benson = Ephedra cutleri Peebles

Family *JUNIPERACEAE* = CUPRESSACEAE

Family PINACEAE

Abies fir
Hunt, R.S. 1993. *Abies*, pp. 354-362. IN: Flora of North America, vol. 2. Oxford Univ. Press.
arizonica Merriam [Hunt 1993; M&H; W&S]
cork-bark fir
Abies bifolia A. Murray var. *arizonica* (Merriam) O'Kane & K.D.Heil
Abies lasiocarpa (Hooker) Nuttall var. *arizonica* (Merriam) Lemmon
bifolia A. Murray bis sensu stricto : Name applied to northern populations of subalpine fir; in the narrow sense apparently not known from NM [Hunt 1993]
concolor (Gordon & Glendinning) Lindley ex Hildebrand [Hunt 1993; M&H; W&S]
white fir
lasiocarpa (Hooker) Nuttall var. *arizonica* (Merriam) Lemmon = Abies arizonica Merriam
lasiocarpa (Hooker) Nuttall s.s. : Hunt (1993) restricts this taxon to the Pacific Northwest; trees previously referred to Abies lasiocarpa belong to Abies bifolia A. Murray bis (northern Rockies) and to Abies arizonica Merriam (southern Rockies and NM).
Apinus flexilis (James) Rydberg = Pinus flexilis James
Caryopitys edulis (Engelmann) Small = Pinus edulis Engelmann
Picea spruce
Taylor, R.J. 1993. *Picea*, pp. 369-373. IN: Flora of North America, vol. 2. Oxford Univ. Press.
engelmannii Parry ex Engelmann var. ***engelmannii*** [M&H; Taylor 1993; W&S]
Engelmann's spruce
parryana Sargent = Picea pungens Engelmann
pungens Engelmann [M&H; Taylor 1993; W&S]
Colorado blue spruce
Picea parryana Sargent
Pinus pine
Bailey, D.K. & F.G. Hawksworth. 1979. Pinyons of the Chihuahuan Desert region. Phytologia 44:129-133.
Farjon, A. & B.T. Styles. 1997. *Pinus* (Pinaceae). Flora Neotropica, Monogr. 75. New York Botanical Garden.
Kral, R. 1993. *Pinus*, pp. 373-398. IN: Flora of North America, vol. 2. Oxford Univ. Press.
Landry, P. 1992. A revised synopsis of the pines 4: The chihuahua pine (*Pinus*, section *Leiophylla*). Phytologia 72(5):373-377.
Little, Elbert L., Jr. 1968. Two new pinyon varieties from Arizona. Phytologia 17(4):329-342. [***P. monophylla fallax***]
Perry, J.P., Jr. 1991. The Pines of Mexico and Central America. Timber Press, Portland, Oregon. 231 pp.
apacheca Lemmon = Pinus engelmannii Carrier
aristata Engelmann[Kral 1993; M&H; W&S]
bristlecone pine
arizonica Engelmann = Pinus ponderosa Lawson var. arizonica (Engelmann) Shaw
ayacahuite Ehrenberg var. *brachyptera* Shaw = Pinus strobiformis Engelmann
brachyptera Engelmann = Pinus ponderosa Lawson var. scopulorum Engelmann
californiarum D.K. Bailey subsp. *fallax* (Little) D.K.Bailey = Pinus monophylla Torrey & Fremont subsp. fallax (Little) D.K. Bailey
cembroides Zuccarini var. ***cembroides*** [Kral 1993; M&H; W&S]
Mexican piñon pine
cembroides Zuccarini var. ***bicolor*** Little [Bailey & Hawksworth 1979; Farjon & Styles 1997]
Mexican piñon pine
Pinus discolor Bailey & Hawksworth
Pinus johannis M.-F. Robert
cembroides Zuccarini var. *edulis* (Engelmann) Voss = Pinus edulis Engelmann
chihuahuana Engelmann = Pinus leiophylla Schiede & Deppe var. chihuahuana (Engelmann) Shaw

discolor Bailey & Hawksworth = Pinus cembroides Zuccarini var. bicolor Little

edulis Engelmann [Kral 1993; M&H; W&S]

piñon pine

Caryopitys edulis (Engelmann) Small

Pinus cembroides Zuccarini var. *edulis* (Engelmann) Voss

Pinus monophylla Torrey & Fremont var. *edulis* (Engelmann) M.E. Jones

edulis Engelmann var. *fallax* Little = Pinus monophylla Torrey & Fremont subsp. fallax (Little) D.K. Bailey

engelmannii Carrier [Kral 1993; M&H]

Apache pine

Pinus apacheca Lemmon

Pinus latifolia Sargent

Pinus macrophylla Engelmann

flexilis James [Kral 1993; M&H; W&S]

limber pine

Apinus flexilis (James) Rydberg

flexilis James var. *reflexa* Engelmann = Pinus strobiformis Engelmann

johannis M.-F. Robert = Pinus cembroides Zuccarini var. bicolor Little

latifolia Sargent = Pinus engelmannii Carrier

leiophylla Schiede & Deppe var. ***chihuahuana*** (Engelmann) Shaw [Kral 1993; M&H; W&S]

Chihuahua pine

Pinus chihuahuana Engelmann

macrophylla Engelmann = Pinus engelmannii Carrier

monophylla Torrey & Fremont subsp. ***fallax*** (Little) Zavarin [Little 1968] Note: The taxonomic status of these single-needle populations is unclear; this name serves to call attention to this interesting form in the state.

Arizona single-leaf piñon

Pinus californiarum D.K. Bailey subsp. *fallax* (Little) D.K.Bailey

Pinus edulis Engelmann var. *fallax* Little

monophylla Torrey & Fremont var. *edulis* (Engelmann) M.E. Jones = Pinus edulis Engelmann

ponderosa Lawson var. ***arizonica*** (Engelmann) Shaw [Kral 1993; M&H; W&S]

Arizona pine

Pinus arizonica Engelmann

ponderosa Lawson var. ***scopulorum*** Engelmann [Kral 1993; M&H; W&S]

ponderosa pine

Pinus brachyptera Engelmann

Pinus scopulorum (Engelmann) Lemmon

scopulorum (Engelmann) Lemmon = Pinus ponderosa Lawson var. scopulorum Engelmann

strobiformis Engelmann [Kral 1993; M&H; W&S]

southwestern white pine

Pinus flexilis James var. *reflexa* Engelmann

Pinus ayacahuite Ehrenberg var. *brachyptera* Shaw

taxifolia (Lamarck) Britton var. *glauca* (Beissner) Sudworth = Pseudotsuga menziesii (Mirbel) Franco var. glauca (Beissner) Franco

Pseudotsuga Douglas fir

Lipscomb, B. 1993. *Pseudotsuga*, pp. 365-366. IN: Flora of North America, vol. 2. Oxford Univ. Press.

menziesii (Mirbel) Franco var. ***glauca*** (Beissner) Franco [Lipscomb 1993; M&H; W&S]

Douglas fir

Pseudotsuga mucronata (Rafinesque) Sudworth

Pinus taxifolia (Lamarck) Britton var. *glauca* (Beissner) Sudworth

Pseudotsuga taxifolia (Lambert) Britton

mucronata (Rafinesque) Sudworth = Pseudotsuga menziesii (Mirbel) Franco

taxifolia (Lambert) Britton = Pseudotsuga menziesii (Mirbel) Franco

ANGIOSPERMS

Dicotyledonous Plants

Family ACANTHACEAE

Daniel, T.F. 1984. The Acanthaceae of the southwestern United States. Desert Plants 5(4):162-179.

Anisacanthus desert-honeysuckle

thurberi (Torrey) Gray [Daniel 1984; M&H; W&S]

Thurber's desert-honeysuckle

Drejera thurberi Torrey

Calophanes decumbens Gray = Dyschoriste decumbens (Gray) Kuntze

oblongifolia Torrey = Dyschoriste decumbens (Gray) Kuntze

Carlowrightia carlowrightia

linearifolia (Torrey) Gray [Daniel 1984; M&H; W&S]

heath carlowrightia

Schaueria linearifolia Torrey

serpyllifolia Gray : Reported as expected by M&H; awaits verification.

texana Hendrickson & Daniel [Daniel 1984]

Texas carlowrightia

torreyana Wasshausen : Reported by M&H, but not occurring in NM (Daniel 1984).

Diapedium torreyi (Gray) Wooton & Standley = Dicliptera resupinata (Vahl) Jussieu

Dicliptera foldwing

resupinata (Vahl) Jussieu [Daniel 1984; M&H; W&S]

Arizona foldwing

Diapedium torreyi (Gray) Wooton & Standley

Dicliptera torreyi Gray

torreyi Gray = Dicliptera resupinata (Vahl) Jussieu

Drejera thurberi Torrey = Anisacanthus thurberi (Torrey) Gray

Dyschoriste snakeherb

decumbens (Gray) Kuntze [Daniel 1984; M&H]

spreading snakeherb

Calophanes decumbens Gray

Calophanes oblongifolia Torrey

linearis (Torrey & Gray) Kuntze : Reported by M&H, but not occurring in NM fide Daniel (1984).

Elytraria scalystem

imbricata (Vahl) Persoon [Daniel 1984; M&H; W&S]

purple scalystem

Elytraria tridentata Vahl

Tubiflora squamosa (Jacquin) Kuntze

tridentata Vahl = Elytraria imbricata (Vahl) Persoon

Gerardia barbata Blake = Stenandrium barbatum Torrey & Gray

Justicia water-willow

Daniel, T.F. 1980. The genus *Justicia* in the Chihuahuan Desert. Cont. Univ. Mich. Herb. 14:61-67.

wrightii Gray [Daniel 1980, 1984]

Wright's water-willow

Ruellia wild-petunia

metzae Tharp : Reported by M&H, but excluded from the southwestern United States by Daniel (1984).

parryi Gray [Daniel 1984; M&H; W&S]

Parry's wild-petunia

Schaueria linearifolia Torrey = Carlowrightia linearifolia (Torrey) Gray

Siphonoglossa tubetongue

pilosella (Nees) Torrey [Daniel 1984]

hairy tubetongue

Stenandrium shaggytuft

Daniel, T.F. 1984. A revision of *Stenandrium* (Acanthaceae) in Mexico and adjacent regions. Ann. Missouri Bot. Gard. 71:1028-1043.

barbatum Torrey & Gray [Daniel 1984; M&H; W&S]

early shaggytuft

Gerardia barbata Blake

Tetramerium tetramerium

nervosum Nees [Daniel 1984]

hairy tetramerium

Tubiflora squamosa (Jacquin) Kuntze = Elytraria imbricata (Vahl) Persoon

Family ACERACEAE

Acer maple

Keller, A.C. 1942. *Acer glabrum* and its varieties. Amer. Midl. Nat. 27:491-500.
Murray, E. 1975. North American maples. Kalmia 7:1-20.
Sargent, C.S. 1933. Manual of the trees of North America. Houghton Mifflin Co.
Worthington, R.D. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Acer grandidentatum* var. *sinuosum*]

brachypterum Wooton & Standley = Acer grandidentatum Nuttall var. sinuosum (Rehder) Little

glabrum Torrey var. ***glabrum*** [Keller 1942; M&H; W&S]
Rocky Mountain maple

glabrum Torrey var. ***neomexicanum*** (Greene) Kearny & Peebles [Keller 1942; M&H; W&S]
Rocky Mountain maple
Acer neomexicanum Greene

grandidentatum Nuttall var. *brachypterum* (Wooton & Standley) Palmer = Acer grandidentatum Nuttall var. sinuosum (Rehder) Little

grandidentatum Nuttall var. ***grandidentatum*** [M&H; W&S]
canyon maple

grandidentatum Nuttall var. ***sinuosum*** (Rehder) Little [M&H; W&S; Worthington 2000]
canyon maple
Acer brachypterum Wooton & Standley
Acer grandidentatum Nuttall var. *brachypterum* (Wooton & Standley) Palmer
Acer sinuosum Rehder

interius Britton = Acer negundo Linnaeus var. interius (Britton) Sargent

negundo Linnaeus var. ***arizonicum*** Sargent [Sargent 1933]
Arizona boxelder

negundo Linnaeus var. ***interius*** (Britton) Sargent [M&H; W&S]
boxelder
Acer interius Britton
Negundo interius (Britton) Rydberg

negundo Linnaeus var. ***texanum*** Pax [M&H] Note: The distribution of this species (east Texas and eastward) seems to warrant a validation of its occurrence in NM.
Texas boxelder

neomexicanum Greene = Acer glabrum Torrey var. neomexicanum (Greene) Kearney & Peebles

sinuosum Rehder = Acer grandidentatum Nuttall var. sinuosum (Rehder) Little

Negundo interius (Britton) Rydberg = Acer negundo Linnaeus var. interius (Britton) Sargent

Family ADOXACEAE

Adoxa muskroot

moschatellina Linnaeus [M&H; W&S]
muskroot

Family AIZOACEAE

Vivrette, N.J., J.E. Bleck, & W.R. Ferren Jr. 2003. Aizoaceae, pp. 75-91. IN: Flora of North America, vol. 4. Oxford University Press, New York.

Mollugo = see MOLLUGINACEAE

Sesuvium sea-purslane

sessile Robinson = Sesuvium verrucosum Rafinesque

verrucosum Rafinesque [M&H]
western sea-purslane
Sesuvium sessile Robinson

Trianthema horse-purslane

portulacastrum Linnaeus [M&H]
desert horse-purslane

Family ALLIONIACEAE = NYCTAGINACEAE

Family ALSINACEAE = CARYOPHYLLACEAE

Family AMARANTHACEAE

Robertson, K.R. 1981. The genera of Amaranthaceae in the southeastern United States. J. Arnold Arbor. 62(30):267-314.
Robertson, K.R. & S.E. Clemants. 2003. Amaranthaceae, pp. 405-456. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

Acanthochiton greenstripe

Mosyakin, S.L. & K.R. Robertson. 2003. *Amaranthus*, pp. 410-4435. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

wrightii Torrey [M&H; Mosyakin & Robertson 2003; W&S]
greenstripe
Amaranthus acanthochiton (Torrey) Sauer
not *Amaranthus wrightii* S. Watson

Achyranthes lanuginosa Nuttall = Tidestromia lanuginosa (Nuttall) Standley subsp. lanuginosa

repens auct. non Linnaeus = Alternanthera caracasana Kunth

Acnida tamariscina (Nuttall) Wood = Amaranthus tuberculatus (Moquin) J.D. Saur

Alternanthera khaki-weed

Clemants, S.E. 2003. *Alternanthera*, pp. 447-451. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

caracasana Kunth [Clemants 2003; M&H; W&S]
khaki-weed
Achyranthes repens auct. non Linnaeus
Alternanthera pungens of NM reports
Alternanthera repens of NM reports

pungens of NM reports = Alternanthera caracasana Kunth

repens of NM reports = Alternanthera caracasana Kunth

suffruticosa Torrey = Tidestromia suffruticosa (Torrey) Standley

Amaranthus pigweed, amaranth

Costea, M., A. Sanders, & G. Waines. 2001. Preliminary results toward a revision of the *Amaranthus hybridus* species complex (Amaranthaceae). Sida 19(4):931-974.

Henrickson, J. 1999. Studies in New World *Amaranthus* (Amaranthaceae). Sida 18(3):783-807.

Mosyakin, S.L. & K.R. Robertson. 2003. *Amaranthus*, pp. 410-4435. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

Pratt, D.B. 2001. *Amaranthus rudis* and *A. tuberculatus* -- one species or two? J. Torr. Bot. Soc. 128(3):282-296.

Sauer, J. 1955. Revision of the dioecious amaranths. Madroño 13:5-46.

Sauer, J. 1967. The grain amaranths and their relatives: A revised taxonomic and geographic survey. Ann. Missouri Bot. Gard. 54:103-137.

Sauer, J. 1972. The dioecious amaranths: A new specific name and major range extensions. Madroño 21:426-434.

Standley, P.C. 1917. Amaranthaceae. North American Flora 21:107-108.

Tidestrom, I. & T. Kittell. 1941. A Flora of Arizona and New Mexico. The Catholic University of America Press, Washington, D.C. 897 pp. [*Amaranthus caudatus*]

Uline, E.B. & W.L. Bray. 1894. A preliminary synopsis of the North America species of *Amaranthus*. The Botanical Gazette 19:267-272, 311-320.

acanthochiton (Torrey) Sauer = Acanthochiton wrightii Torrey

albus Linnaeus [M&H; Mosyakin & Robertson 2003; W&S]
tumbleweed pigweed
Amaranthus albus Linnaeus var. *pubescens* (Uline & Bray) Fernald
Amaranthus graecizans of Amer. authors, pro parte
Amaranthus graecizans Linnaeus var. *pubescens* Uline & Bray
Amaranthus pubescnes (Uline & Bray) Rydberg

albus Linnaeus var. *pubescens* (Uline & Bray) Fernald = Amaranthus albus Linnaeus

arenicola I.M. Johnston [M&H; Mosyakin & Robertson 2003]
sandhill pigweed

bigelovii Uline & Bray = Amaranthus torreyi (A. Gray) Bentham ex S. Watson

****blitoides*** S. Watson [M&H; Mosyakin & Robertson 2003; W&S]
prostrate pigweed
Amaranthus graecizans of Amer. authors, pro parte

bracteosus Uline & Bray = Amaranthus powellii S. Watson

****caudatus*** Linnaeus [Tidestrom & Kittell 1941] Note: In view of its sporadic distribution to the west and east of NM, this report may refer to a one-time introduction that has not persisted.
foxtail amaranth, love-lies-bleeding

crassipes Schlechtendal var. ***warnockii*** (I.M. Johnston) Henrickson [Henrickson 1999; Mosyakin & Robertson 2003; Sivinski et al. 1994]
bony pigweed

****cruentus*** Linnaeus [M&H; W&S]
blood amaranth
Amaranthus hybridus Linnaeus var. *paniculatus* (Linnaeus) Uline & Bray
Amaranthus paniculatus Linnaeus

fimbriatus (Torrey) Bentham ex S. Watson [M&H; Mosyakin & Robertson 2003]
fringed pigweed

gracilis Desfontaines = Amaranthus viridis Linnaeus

graecizans of Amer. authors = Amaranthus blitoides S. Watson and Amaranthus albus Linnaeus

graecizans Linnaeus var. *pubescens* Uline & Bray = Amaranthus albus Linnaeus

****hybridus*** Linnaeus [M&H; Mosyakin & Robertson 2003; W&S]
smooth amaranth

hybridus Linnaeus var. *paniculatus* (Linnaeus) Uline & Bray = Amaranthus cruentus Linnaeus

****hypochondriacus*** Linnaeus [Mosyakin & Robertson 2003; Standley 1917]
Prince-of-Wales-feather
Amaranthus leucocarpus S. Watson

leucocarpus S. Watson = Amaranthus hypochondriacus Linnaeus

obcordatus (Gray) Standley [M&H]
Trans-Pecos amaranth
Amaranthus obovatus sensu W&S

obovatus sensu W&S = Amaranthus obcordatus (Gray) Standley

palmeri S. Watson [M&H; Mosyakin & Robertson 2003; W&S]
Palmer's amaranth, pigweed

paniculatus Linnaeus = Amaranthus cruentus Linnaeus

powellii S. Watson [M&H; Mosyakin & Robertson 2003; W&S]

green amaranth
Amaranthus bracteosus Uline & Bray
pringlei S. Watson = Amaranthus torreyi (A. Gray) Bentham ex S. Watson
pubescens (Uline & Bray) Rydberg = Amaranthus albus Linnaeus
***retroflexus** Linnaeus [M&H; Mosyakin & Robertson 2003; W&S]
red-root pigweed
rudis Sauer = Amaranthus tuberculatus (Moquin) J.D. Saur
torreyi (A. Gray) Bentham ex S. Watson [M&H; Mosyakin & Robertson 2003; W&S]
Torrey's amaranth
Amaranthus bigelovii Uline & Bray
Amaranthus pringlei S. Watson
tuberculatus (Moquin-Tandon) J.D. Saur [M&H; Mosyakin & Robertson 2003]
tall amaranth
Acnida tamariscina of numerous authors, not (Nuttall) Wood
Amaranthus rudis J.D. Saur
viridis Linnaeus [M&H; Mosyakin & Robertson 2003]
slender amaranth
Amaranthus gracilis Desfontaines
viscidulus Greene [Mosyakin & Robertson 2003; W&S]
sticky amaranth
wrightii S. Watson [M&H; Mosyakin & Robertson 2003; W&S]
Wright's amaranth
not *Acanthochiton wrightii* Torrey
Brayulinea densa (Willdenow) Small = Guilleminea densa (Willdenow) Moquin-Tandon
Cladothrix lanuginosa Nuttall = Tidestromia lanuginosa (Nuttall) Standley
suffruticosa (Torrey) Bentham & Hooker = Tidestromia suffruticosa (Torrey) Standley

Froelichia snakecotton

McCauley, R.A. 2003. *Froelichia*, pp. 443-447. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

arizonica Thornber ex Standley [M&H; McCauley 2003]
Arizona snakecotton
campestris Small = Froelichia floridana (Nuttall) Moquin-Tandon var. campestris (Small) Fernald
floridana (Nuttall) Moquin-Tandon var. ***campestris*** (Small) Fernald [M&H; W&S]
plains snakecotton
Froelichia campestris Small
gracilis (Hooker) Moquin-Tandon [M&H; McCauley 2003; W&S]
slender snakecotton
interrupta (Linnaeus) Moquin-Tandon : Reported by M&H, but McCauley (2003) questions all reports of this from the United States; warrants verification.

Gomphrena globe-amaranth

Clemants, S.E. 2003. *Gomphrena*, pp. 451-454. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

caespitosa Torrey [Clemants 2003; M&H; W&S]
tufted globe-amaranth
haageana Klotzsch [Clemants 2003]
Haage's globe-amaranth
nitida Rothrock [Clemants 2003; M&H; W&S]
pearly globe-amaranth
sonorae Torrey [Clemants 2003; M&H]
Sonoran globe-amaranth
viridis Wooton & Standley [Clemants 2003; W&S]
green globe-amaranth

Gossypianthus cotton-flower

Clemants, S.E. 2003. *Gossypianthus*, pp. 438-439. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
Henrickson, J. 1987. A taxonomic re-evaluation of *Gossypianthus* and *Guilleminea* (Amaranthaceae). Sida 12:307-337.

lanuginosus (Poiret) Moquin-Tandon var. ***lanuginosus*** [Clemants 2003; M&H; W&S]
wooly cotton-flower
Guilleminea lanuginosa (Poiret) Hooker f.
Guilleminea lanuginosa (Poiret) Hooker f. var. *rigidiflorus* (Hooker) Mears
Gossypianthus rigidiflorus Hooker
rigidiflorus Hooker = Gossypianthus lanuginosus (Poiret) Moquin-Tandon var. lanuginosus

Guilleminea matweed

Clemants, S.E. 2003. *Guilleminea*, pp. 437-438. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
Henrickson, J. 1987. A taxonomic re-evaluation of *Gossypianthus* and *Guilleminea* (Amaranthaceae). Sida 12:307-337.

densa (Humboldt & Bonpland ex Willdenow) Moquin-Tandon var. ***aggregata*** Uline & Bray [Henrickson 1987; M&H; W&S]
small matweed
densa (Humboldt & Bonpland ex Willdenow) Moquin-Tandon var. densa : Reported by M&H, but not occurring in North America (Henrickson 1987).

Brayulinia densa (Willdenow) Small
Illecebrum densum Willdenow
lanuginosa (Poiret) Hooker f. = Gossypianthus lanuginosus (Poiret) Moquin-Tandon var. lanuginosus
lanuginosa (Poiret) Hooker f. var. *rigidiflorus* (Hooker) Mears = Gossypianthus lanuginosus (Poiret) Moquin-Tandon var. lanuginosus
Illecebrum densum Willdenow = Guilleminea densa (Willdenow) Moquin-Tandon var. densa

Iresine bloodleaf

Clemants, S.E. 2003. *Iresine*, pp. 454-456. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
Henrickson, J. & S. Sunberg. 1986. On the submersion of *Dicraurus* into *Iresine* (Amaranthaceae). Aliso 11:355-364.

heterophylla Standley [Clemants 2003; M&H]
Standley's bloodleaf

Tidestromia honeysweet

Sánchez del Pino, I. & S.E. Clemants. 2003. *Tidestromia*, pp. 439-443. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
Sánchez del Pino, I. & H. Flores Olvera. 2002. New taxa and a new combination in *Tidestromia* (Amaranthaceae) from North America. Novon 12:399-407.
Sanchez del Pino, I. & H. Flores Olvera. 2006. Phylogeny of *Tidestromia* (Amaranthaceae, Gomphrenoideae) based on morphology. Syst. Bot. 31(4):689-701.

lanuginosa (Nuttall) Standley subsp. ***eliassoniana*** Sánchez-del Pino & Flores Olvera [Sánchez del Pino & Flores Olvera 2002]
espanta vaquero, wooly honeysweet

lanuginosa (Nuttall) Standley subsp. ***lanuginosa*** [M&H; Sánchez del Pino & Flores Olvera 2002; W&S]
espanta vaquero, wooly honeysweet
Achyranthes lanuginosa Nuttall
Cladothrix lanuginosa Nuttall

suffruticosa (Torrey) Standley [M&H; W&S]
shrubby honeysweet
Alternanthera suffruticosa Torrey
Cladothrix suffruticosa (Torrey) Bentham & Hooker

Family AMBROSIACEAE = ASTERACEAE

Family AMYGDALACEAE = ROSACEAE

Family ANACARDIACEAE

Rhoeidium microphyllum (Engelmann) Greene = Rhus microphylla Engelmann

Rhus sumac

Barkley, F.A. 1937. A monographic study of *Rhus* and its immediate allies in North and Central America, including the West Indies. Ann. Missouri Bot. Gard. 24(3):265-465.
Barkley, F.A. 1940. *Schmaltzia*. Amer. Midl. Naturalist 24:647-665.
Gillis, W.T. 1971. The systematics and ecology of poison-ivy and the poison-oaks (*Toxicodendron*, Anacardiaceae). Rhodora 73:72-159, 161-237, 370-443, 465-540.
Turner, B.L. 1996. Synoptical study of *Rhus virens* (Anacardiaceae) and closely related taxa. Phytologia 80(5):368-376.

aromatica Aiton var. *pilosissima* (Engelmann) Shinners = Rhus trilobata Nuttall var. pilosissima Engelmann
choriophylla Wooton & Standley = Rhus virens Lindh. ex Gray var. choriophylla (Wooton & Standley) B.L. Turner
cismontana Greene = Rhus glabra Linnaeus
copallina Linnaeus var. *lanceolata* Gray = Rhus lanceolata (Gray) Britton

glabra Linnaeus [M&H; W&S]
smoth sumac
Rhus cismontana Greene
Rhus glabra Linnaeus var. *cismontana* (Greene) Daniels
Rhus sorbifolia Greene

glabra Linnaeus var. *cismontana* (Greene) Daniels = Rhus glabra Linnaeus

lanceolata (Gray) Britton [M&H; W&S]
prairie sumac
Rhus copallina Linnaeus var. *lanceolata* Gray
Schmaltzia lanceolata (Gray) Small

microphylla Engelmann ex Gray [M&H; W&S]
littleleaf sumac
Rhoeidium microphyllum (Engelmann) Greene

radicans Linnaeus s.s. [=Toxicodendron radicans Linnaeus] : Not occurring in NM; replaced by Toxicodendron rydbergii (Small ex Rydberg) Greene [Gillis 1971]
radicans Linnaeus var. *rydbergii* (Small ex Rydberg) Rehder = Toxicodendron rydbergii (Small ex Rydberg) Greene
sorbifolia Greene = Rhus glabra Linnaeus

trilobata Nuttall var. ***anisophylla*** (Greene) Jepson [M&H]
skunkbush sumac
Schmaltzia anisophylla Greene

trilobata Nuttall var. ***pilosissima*** Engelmann [M&H; W&S]
skunkbush sumac
Rhus aromatica Aiton var. *pilosissima* (Engelmann) Shinners
Schmaltzia emoryi Greene
Schmaltzia pulchella Greene

trilobata Nuttall var. ***racemulosa*** (Greene) Barkley [M&H]

skunkbush sumac
Schmaltzia racemulosa Greene

trilobata Nuttall var. ***quinata*** (Greene) Jepson [Barkley 1937]
skunkbush sumac

trilobata Nuttall var. ***simplicifolia*** (Greene) Barkley [M&H; W&S]
skunkbush sumac
Schmaltzia affinis Greene
Schmaltzia simplicifolia Greene

trilobata Nuttall var. ***trilobata*** [M&H; W&S]
skunkbush sumac
Schmaltzia bakeri Greene
Schmaltzia cognata Greene
Schmaltzia leiocarpa Greene
Schmaltzia quercifolia Greene
Schmaltzia trilobata (Nuttall) Small

virens Lindheimer ex Gray var. ***choriophylla*** (Wooton & Standley) L. Benson [M&H; Turner 1996; W&S]
Wooton's sumac
Rhus choriophylla Wooton & Standley
Rhus virens Lindheimer ex Gray subsp. *choriophylla* (Wooton & Standley) Young
Rhus virens Lindheimer ex Gray var. *choriophylla* (Wooton & Standley) B.L. Turner
Schmaltzia choriophylla (Wooton & Standley) Barkley

virens Lindheimer ex Gray var. *choriophylla* (Wooton & Standley) B.L. Turner = Rhus virens Lindheimer ex Gray var. choriophylla (Wooton & Standley) L. Benson

virens Lindheimer ex Gray subsp. *choriophylla* (Wooton & Standley) Young = Rhus virens Lindheimer ex Gray var. choriophylla (Wooton & Standley) L. Benson

virens Lindheimer ex Gray var. ***virens*** [Turner 1996]
evergreen sumac
Schmaltzia choriophylla (Wooton & Standley) Barkley

Schmaltzia affinis Greene = Rhus trilobata Nuttall var. simplicifolia (Greene) Barkley
anisophylla Greene = Rhus trilobata Nuttall var. anisophylla (Greene) Jepson
bakeri Greene = Rhus trilobata Nuttall var. trilobata
choriophylla (Wooton & Standley) Barkley = Rhus virens Lindheimer ex Gray var. choriophylla (Wooton & Standley) L. Benson
cognata Greene = Rhus trilobata Nuttall var. trilobata
emoryi Greene = Rhus trilobata Nuttall var. pilosissima Engler
lanceolata (Gray) Small = Rhus lanceolata (Gray) Britton
leiocarpa Greene = Rhus trilobata Nuttall var. trilobata
pulchella Greene = Rhus trilobata Nuttall var. pilosissima (Engelmann) Shinners
quercifolia Greene = Rhus trilobata Nuttall var. trilobata
racemulosa Greene = Rhus trilobata Nuttall var. racemulosa (Greene) Barkley
simplicifolia Greene = Rhus trilobata Nuttall var. simplicifolia (Greene) Barkley
trilobata (Nuttall) Small = Rhus trilobata Nuttall var. trilobata

Toxicodendron poison ivy

Gillis, W.T. 1960. Taxonomic problems in poison ivy. Proc. Michigan Acad. Sci. 45:27-34.
Gillis, W.T. 1971. The systematics and ecology of poison-ivy and the poison-oaks (*Toxicodendron*, Anacardiaceae). Rhodora 73:72-159, 161-237, 370-443, 465-540.

rydbergii (Small ex Rydberg) Greene [Gillis 1971; M&H; W&S] Note: Replaces Toxicodendron radicans (Linnaeus) Kuntze s.s. (*Rhus radicans* Linnaeus) in NM
poison ivy
Rhus radicans Linnaeus var. *rydbergii* (Small ex Rydberg) Rehder
Rhus rydbergii Small ex Rydberg

Family APIACEAE (UMBELLIFERAE)

Constance, L. 1993. Apiaceae, p. 136-166. IN: Hickmann, J.C. (ed.). The Jepson Manual. Berkeley: University of California Press.
Cronquist, A. 1997. Apiaceae, p. 340-427. IN: Intermountain Flora, Vol. 3A (Rosidae, except Fabales). New York Botanical Garden. 446 pp.
Mathias, M.E. and L. Constance. 1944-45. Umbelliferae. North American Flora 28B (1,2):43-295.

Aletes Indian-parsley

Sivinski, R. & K. Lightfoot, eds. 1994. Inventory of rare and endangered plants of New Mexico. New Mexico Forestry and Resources Conservation Division, Misc. Publ. No. 3. [*Aletes macdougalii* subsp. *breviradiatus*]
Theobald, W.L., C.C. Tseng, & M.E. Mathias. 1963. A revision of *Aletes* and *Neoparrya* (Umbelliferae). Brittonia 16:296-315.

acaulis (Torrey) Coulter & Rose [M&H; W&S]
Indian-parsley

filifolius Matthias, Constance, & Theobald [M&H]
trans-Pecos Indian-parsley

macdougalii Coulter & Rose = Cymopterus macdougalii (Coulter & Rose) Tidestrom
macdougalii Coulter & Rose subsp. *breviradiatus* Theobald & Tseng = Cymopterus breviradiatus (W.L. Theobald & Tseng) R.L. Hartman
sessiliflorus Theobald & Tseng = Cymopterus sessiliflorus (Theobald & Tseng) R.L. Hartman

Ammoselinum sand-parsley

popei Torrey & Gray [M&H]

plains sand-parsley

Angelica angelica

ampla A. Nelson [M&H]

giant angelica

grayi (Coulter & Rose) Coulter & Rose [M&H]

Gray's angelica

leporina S. Watson = Angelica leporina S. Watson

pinnata S. Watson [M&H; W&S]

small-leaf angelica

Angelica leporina S. Watson

Apium celery

****graveolens*** Linnaeus [M&H; W&S]

celery

leptophyllum (Persoon) F. Mueller ex Bentham = Cyclospermum leptophyllum (Persoon) Sprague ex Britton & Wilson

Archemora fendleri Gray = Oxypolis fendleri (Gray) Heller

Aulospermum purpureum (S. Watson) Coulter & Rose = Cymopterus purpureus S. Watson

Berula water-parsnip

erecta (Hudson) Coville [M&H; W&S]

water-parsnip

Bowlesia bowlesia

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Bowlesia incana*]

Matthias, M.E. & L. Constance. 1965. A revision of the genus *Bowlesia* ruiz & Pav. (Umbelliferae-Hydrocotyloideae) and it relatives. Univ. Calif. Publ. Bot. 38:1-73.

incana Ruiz & Pavon [Allred 1999]

hoary bowlesia

Bupleurum thorough-wax

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 10:7. [*Bupleurum americanum*]

americanum Coulter & Rose [Allred 1999]

American thorough-wax

Carum caraway

Peterson, R.S. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Carum carvi*]

carvi Linnaeus [Peterson 2000]

caraway

gairdneri (Hooker & Arnott) Gray [=Perideridia gairdneri (Hooker & Arnott) Mathias] : Reported by W&S, but not occurring in NM [Chuang & Constance 1969]

Caucalis microcarpa Hooker & Arnott = Yabea microcarpa (Hooker & Arnott) Koso-Poljansky

Cicuta water-hemlock

Mulligan, G.A. 1980. The genus *Cicuta* in North America. Canad. J. Bot. 58:1755-1767.

douglasii of NM authors = Cicuta maculata Linnaeus

maculata Linnaeus var. ***angustifolia*** Hooker [M&H; Mulligan 1980; W&S]

spotted water-hemlock

Cicuta douglasii of NM authors

Cicuta occidentalis Greene

maculata Linnaeus var. ***bolanderi*** (S. Watson) G.A. Mulligan [Mulligan 1980]

spotted water-hemlock

Cicuta douglasii of NM authors

occidentalis Greene = Cicuta maculata Linnaeus var. angustifolia Hooker

Cogswellia nevadensis (S. Watson) M.E. Jones = Lomatium nevadense (S. Watson) Coulter & Rose var. nevadense

orientalis (Coulter & Rose) M.E. Jones = Lomatium orientale Coulter & Rose

Conioselinum hemlock-parsley

scopulorum (Gray) Coulter & Rose [M&H; W&S]

Rocky Mountain hemlock-parsley

Ligusticum scopulorum Gray

Conium poison hemlock

Hershey, A.L. & P.J. Leyendecker, Jr. 1944. Notes on plants of New Mexico—III. Leaflets of Western Botany 4(2):21-25. [*Conium maculatum*]

****maculatum*** Linnaeus [Hershey & Leyendecker 1944; M&H]

poison hemlock

Coriandrum parsley

****sativum*** Linnaeus [M&H; W&S]

Chinese parsley

Cyclospermum

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Cyclosperma leptophyllum*]

Allred, K.W. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Cyclospermum leptophyllum*]

****leptophyllum*** (Persoon) Sprague ex Britton & Wilson [Allred 1999, 2000]

marsh parsley

Apium leptophyllum (Persoon) F. Mueller ex Bentham

Cymopterus spring-parsley

Hartman, R.L. 2000. A new species of Cymopterus (Apiaceae) from the Rocky Mountain region, U.S.A. Brittonia 52(2):136-141. [*Cymopterus constancei*]

Hartman, R.L. 2006. New combinations in the genus *Cymopterus* (Apiaceae) of the southwestern United States. Sida 22(2):955-957.

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [Cymopterus *petraeus*, as Pteryxia petraea]

Peterson, R.S. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Cymopterus purpurascens*]

acaulis (Pursh) Rafinesque var. ***fendleri*** (Gray) Goodrich = Cymopterus glomeratus (Nuttall) A.P. de Candolle var. fendleri (Gray) R.L. Hartman

alpinus Gray [M&H]
alpine parsley
Oreoxis alpina (Gray) Coulter & Rose

bakeri (Coulter & Rose) M.E. Jones [M&H; W&S]
Baker's alpine parsley
Oreoxis bakeri Coulter & Rose

breviradiatus (Theobald & Tseng) R.L. Hartman [Sivinski & Lightfoot 1994]
Macdougal's spring-parsley
Cymopterus macdougalii (Coulter & Rose) Tidestrom subsp. *breviradiatus* Theobald & Tseng

bulbosus A. Nelson [M&H; W&S]
bulbous spring-parsely
Phellopterus bulbosus (A. Nelson) Coulter & Rose
Phellopterus utahensis (M.E. Jones) Wooton & Standley

constancei R.L. Hartman [Hartman 2000]
Lincoln's spring-parsley

davidsonii (Coulter & Rose) R.L. Hartman [M&H]
Davidson's spring-parsley
Pseudocymopterus davidsonii (Coulter & Rose) Matthias
Pteryxia davidsonii (Coulter & Rose) Matthias & Constance

fendleri Gray = Cymopterus glomeratus (Nuttall) A.P. de Candolle var. fendleri (Gray) R.L. Hartman

glomeratus (Nuttall) A.P. de Candolle var. ***fendleri*** (Gray) R.L. Hartman [M&H; W&S]
plains spring-parsley
Cymopterus fendleri Gray

hendersonii (Coulter & Rose) Cronquist [Mathias & Constance 1945]
Henderson's spring-parsley
Pteryxia hendersonii (Coulter & Rose) Mathias & Constance

lemmonii (Coulter & Rose) Dorn [M&H; W&S]
alpine mountain-parsley
Pseudocymopterus filicinus Wooton & Standley
Pseudocymopterus montanus (Gray) Coulter & Rose
Pseudocymopterus multifidus Rydberg
Pseudocymopterus purpureus (Coulter & Rose) Rydberg
Pseudocymopterus tenuifolius (Gray) Rydberg
Thaspium montanum Gray

longiradiatus (Matthias, Constance, & Theobald) B.L. Turner [M&H]
mountain-parsley
Pseudocymopterus longiradiatus Matthias, Constance, & Theobald

macdougalii (Coulter & Rose) Tidestrom s.s. : Reported by M&H; our plants are referred to Cymopterus breviradiatus (Theobald & Tseng) R.L. Hartman
Aletes macdougalii Coulter & Rose
Oreoxis macdougalii (Coulter & Rose) Rydberg

macdougalii (Coulter & Rose) Tidestrom subsp. *breviradiatus* Theobald & Tseng = Cymopterus breviradiatus (Theobald & Tseng) R.L. Hartman

macrorhizus Buckley [M&H; W&S]
big-root spring-parsley
Phellopterus macrorhizus (Buckley) Coulter & Rose

montanus Nuttall ex Torrey & Gray [M&H]
mountain spring-parsley
Phellopterus montanus Nuttall ex Torrey & Gray, pro syn.

multinervatus (Coulter & Rose) Tidestrom [M&H; W&S]
purple-nerve spring-parsley
Phellopterus multinervatus Coulter & Rose

newberryi (S. Watson) M.E. Jones : Reported as expected by M&H; awaits verification.

petraeus M.E. Jones [Heil et al. 2002]
rock-living spring-parsley
Cymopterus terebinthinus (Hooker) Torrey & Gray var. *petraeus* (M.E. Jones) Goodrich
Pteryxia petraea (M.E. Jones) Coulter & Rose

purpurascens (Gray) Jones [Peterson 2000]
wafer spring-parsley

purpureus S. Watson [M&H; W&S]
purple spring-parsley
Aulospermum purpureum (S. Watson) Coulter & Rose
sessiliflorus (Theobald & Tseng) R.L. Hartman [M&H]
sessile spring-parsley
Aletes sessiliflorus Theobald & Tseng
terebinthinus (Hooker) Torrey & Gray var. *petraeus* (M.E. Jones) Goodrich = Cymopterus petraeus M.E. Jones
Cynomarathrum nuttallii (Gray) Coulter & Rose = Lomatium nuttallii (Gray) Macbride

Daucosma parosol
Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 11:8. [*Daucosma laciniata*]
laciniata Engelmann & A. Gray [Allred 1999]
meadow-parosol

Daucus carrot
****carota*** Linnaeus [M&H]
Queen Anne's lace
divaricatus Walter = Spermolepis divaricata (T. Walter) Rafinesque ex Seringe
pusillus Michaux [M&H; W&S]
southwestern wild carrot

Eryngium eryngo
Todsen, T.K. 1973. Comments on New Mexico flora. Sida 5(2):135. [*Eryngium lemmonii*]
heterophyllum Engelmann [M&H; W&S]
Mexican thistle, Wright's eryngo
Eryngium wrightii Gray
lemmonii Coulter & Rose [M&H; Todsen 1973]
Chihuahua mountain eryngo
longifolium Gray = Eryngium sparganophyllum Hemsley
sparganophyllum Hemsley [M&H; W&S]
Arizona eryngo
Eryngium longifolium Gray
wrightii Gray = Eryngium heterophyllum Engelmann

Eurytaenia spreadwing
Martin, W.C. 1982. WIPP Project-Floristic Study. IN: Westinghouse Electric Corporation Ecosystem Studies at the Los Medanos Site, Eddy County, New Mexico. Albuquerque, Sandia Laboratory. [*Eurytaenia texana*]
texana Torrey & Gray [Martin 1982]
Texas spreadwing

Foeniculum fennel
foeniculum (Linnaeus) Karsten = Foeniculum vulgare Miller
****vulgare*** Miller [M&H; W&S]
sweet fennel
Foeniculum foeniculum (Linnaeus) Karsten

Harbouria whisk-broom
trachypleura (Gray) Coulter & Rose [M&H]
whisk-broom

Heracleum cow-parsnip
Kartesz, J.T. & K.N. Gandhi. 1994. Nomenclatural notes for the North American flora. XIII. Phytologia 76(6):441-457.
lanatum Michaux = Heracleum maximum Bartr.
maximum Bartram [M&H; W&S]
cow-parsnip
Heracleum lanatum Michaux

Hydrocotyle pennywort
ranunculoides Linnaeus f. : Reported as expected by M&H map; awaits verification.
umbellata Linnaeus : Reported as expected by M&H map; awaits verification.
verticillata Thunberg var ***verticillata*** [M&H]
marsh pennywort

Leptocaulis echinatus Nuttall = Spermolepis echinata (Nuttall ex A.P. de Candoll) Heller

Levisticum lovage
****officinale*** Koch [M&H]
garden lovage

Ligusticella eastwoodiae Coulter & Rose = Podistera eastwoodiae (Coulter & Rose) Matthias & Constance

Ligusticum wild-lovage
eastwoodiae Rose = Podistera eastwoodiae (Coulter & Rose) Matthias & Constance
porteri Coulter & Rose [M&H; W&S]
osha
scopulorum Gray = Conioselinum scopulorum (Gray) Coulter & Rose

Lomatium desert-parsley
Mathias, M.E. & L. Constance. 1945. Umbelliferae (pars.). North American Flora 28B.

Spellenberg, R., M. Mahrt & R. Brozka. 1991. Noteworthy collections, New Mexico. Madroño 38:298-301. [*Lomatium foeniculaceum*]

foeniculaceum (Nuttall) Coulter & Rose subsp. ***macdougalii*** (Coulter & Rose) Theobald [Spellenberg et al. 1991]
carrot-leaf desert-parsley

nevadense (S. Watson) Coulter & Rose var. ***nevadense*** [Mathias & Constance 1945]
Nevada desert-parsley
Cogswellia nevadensis (S. Watson) M.E. Jones
Peucedanum nevadense S. Watson

grayii (Coulter & Rose) Coulter & Rose : Reported as rare in NM by Kartesz (1999), based on New Mexico Natural Heritage Program; needs verification.

nevadense (S. Watson) Coulter & Rose var. ***parishii*** (Coulter & Rose) Jepson [M&H]
Parish's desert-parsley

nuttallii (Gray) Macbride [M&H; W&S]
Nuttall's desert-parsley
Cynomarathrum nuttallii (Gray) Coulter & Rose

orientale Coulter & Rose [M&H; W&S]
eastern desert-parsley
Cogswellia orientalis (Coulter & Rose) M.E. Jones

Musineon divaricatum (Pursh) Rafinesque var. divaricatum : Reported by McGregor (1986), but the distribution of this species is to the north; needs verification.

Neoparrya false Indian-parsley

Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233.

lithophila Mathias [Harman et al. 2006]
false Indian-parsley

Oreoxis alpina (Gray) Coulter & Rose = *Cymopterus alpinus* Gray

bakeri Coulter & Rose = *Cymopterus bakeri* (Coulter & Rose) M.E. Jones

humilis Rafinesque : Reported by W&S, but apparently endemic to Colorado (Kartesz 1999).

macdougalii (Coulter & Rose) Rydberg = Cymopterus macdougalii (Coulter & Rose) Rydberg

Osmorhiza sweet-cicely

Lowry, P.R. II and A.G. Jones. 1984. Systematics of *Osmorhiza* Rafinesque (Apiaceae: Apioideae). Ann. Missouri Bot. Gard. 71:1128-1171.

Peterson, R.S. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Osmorrhiza longistylis*]

berteroi DC : Kartesz's (1999) report of this species for NM seems to be in error, being based on Allred et al. (1986), a checklist of grasses.

chilensis Hooker & Arnott [Lowry & Jones 1984; M&H]
mountain sweet-cicely
Osmorhiza nuda Torrey
Washingtonia divaricata Britton

depauperata Philippi [Lowry & Jones 1984]
lesser sweet-cicely
Osmorhiza obtusa (Coulter & Rose) Fernald
Washingtonia obtusa Coulter & Rose

longistylis (Torrey) Britton [M&H; Peterson 2000; W&S]
anise-root

nuda Torrey = Osmorhiza chilensis Hooker & Arnott

obtusa (Coulter & Rose) Fernald = Osmorhiza depauperata Philippi

Oxypolis cowbane

fendleri (Gray) Heller [M&H; W&S]
Fendler's cowbane
Archemora fendleri Gray

Pastinaca parsnip

****sativa*** Linnaeus [M&H; W&S]
wild parsnip

Perideridia yampa

Chuang, T.I. and L. Constance. 1969. A systematic study of *Perideridia* (Umbelliferae-Apioideae). Univ. Calif. Publ. Bot. 55:1-74.

gairdneri (Hooker & Arnott) Mathias : Reported by M&H and W&S, but not occurring in NM fide Chuang & Constance (1969).
Carum gairdneri (Hooker & Arnott) Gray

parishii (Coulter & Rose) Nelson & Macbride subsp. ***parishii*** [Chuag & Constance 1969]
Parish's yampa

Phellopterus bulbosus (A. Nelson) Coulter & Rose = Cymopterus bulbosus A. Nelson

macrorhizus (Buckley) Coulter & Rose = Cymopterus macrorhizus Buckley

montanus Nuttall = Cymopterus montanus Nuttall ex Torrey & Gray

multinervatus Coulter & Rose = Cymopterus multinervatus (Coulter & Rose) Tidestrom

utahensis (M.E. Jones) Wooton & Standley = Cymopterus bulbosus A. Nelson

Podistera wood-root

Sivinski, R. & K. Lightfoot, eds. 1995. Inventory of rare and endangered plants of New Mexico. New Mexico Forestry and Resources Conservation Division, Misc. Publ. No. 4.

eastwoodiae (Coulter & Rose) Matthias & Constance [M&H; Sivinski & Lightfoot 1995]
wood-root
Ligusticella eastwoodiae Coulter & Rose

Ligusticum eastwoodiae Rose

Polytaenia nuttallii A.P. de Candolle : Reported by Gleason & Cronquist (1991), but this seem unlikely in view of its distribution; needs verification.

Pseudocymopterus davidsonii (Coulter & Rose) Matthias = Cymopterus davidsonii (Coulter & Rose) R.L. Hartman

filicinus Wooton & Standley = Cymopterus lemmonii (Coulter & Rose) Dorn

longiradiatus Matthias, Constance, & Theobald = Cymopterus longiradiatus (Matthias, Constance, & Theobald) R.L. Hartman

montanus (Gray) Coulter & Rose = Cymopterus lemmonii (Coulter & Rose) Dorn

multifidus Rydberg = Cymopterus lemmonii (Coulter & Rose) Dorn

purpureus (Coulter & Rose) Rydberg = Cymopterus lemmonii (Coulter & Rose) Dorn

tenuifolius (Gray) Rydberg = Cymopterus lemmonii (Coulter & Rose) Dorn

Pteryxia davidsonii (Coulter & Rose) Matthias & Constance = Cymopterus davidsonii (Coulter & Rose) R.L. Hartman

hendersonii (Coulter & Rose) Mathias & Constance = Cymopterus hendersonii (Coulter & Rose) Cronquist

petraea (M.E. Jones) Coulter & Rose = Cymopterus petraeus M.E. Jones

Sanicula snakeroot

canadensis Linnaeus : Reported as expected by M&H; awaits verification.

marilandica Linnaeus [M&H; W&S]

black snakeroot

Sium cicutifolium Schrank = Sium suave T. Walter

suave T. Walter : Reported as expected by M&H map; awaits verification.

Sium cicutifolium Schrank

Spermolepis scaleseed

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Spermolepis inermis*]

divaricata (T. Walter) Rafinesque ex Seringe [M&H; W&S]

spreading scaleseed

Daucus divaricatus Walter

echinata (Nuttall ex A.P. de Candolle) Heller [M&H; W&S]

bristly scaleseed

Leptocaulis echinatus Nuttall

inermis (Nuttall ex A.P. de Candolle) Matthias & Constance [Allred 1999]

Red River scaleseed

Thaspium montanum Gray = Cymopterus lemmonii (Coulter & Rose) Dorn

Torilis hedge-parsley

Bleakly, D. 2005. Plant distribution reports (*Torilis arvensis*). The New Mexico Botanist 33:7

****arvensis*** (Hudson) Link [Bleakly 2005]

spreading hedge-parsley

Washingtonia divaricata Britton = Osmorhiza chilensis Hooker & Arnott

longistylis (Torrey) Britton in Britton & Brown [=Osmorhiza longistylis (Torrey) Britton] : Reported by W&S, but not occurring in NM [Lowrey & Jones 1984]

obtusa Coulter & Rose = Osmorhiza depauperata Philippi

Yabea false carrot

Wagner, W.L. 1979. New records to the Animas Mountain flora, New Mexico. Southw. Naturalist 24(2):291-296. [*Yabea microcarpa*]

microcarpa (Hooker & Arnott) Koso-Poljansky [M&H; Wagner 1979]

false carrot

Caucalis microcarpa Hooker & Arnott

Family APOCYNACEAE

McLaughlin, S.P. 1994. Apocynaceae. J. Ariz.-Nev. Acad. Sci. 27(2):164-168.

Amsonia bluestar

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Amsonia tharpii*]

McLaughlin, S.P. 1982. A revision of the southwestern species of *Amsonia* (Apocynaceae). Ann. Missouri Bot. Gard. 69:336-350.

McLaughlin, S.P. 1985. A new species of *Amsonia* (Apocynaceae) from central New Mexico. Southw. Naturalist 30:563-565. [*Amsonia fugatei*]

Sivinski, R., T. Lowrey, & R. Peterson. 1994. Additions to the native and adventive flora of New Mexico. Phytologia 76(6):473-479. [*Amsonia jonesii*]

arenaria Standley = Amsonia tomentosa Torrey & Fremont var. stenophylla Kearney & Peebles

brevifolia of NM reports = Amsonia tomentosa Torrey & Fremont var. stenophylla Kearney & Peebles; the true Amsonia brevifolia Gray occurs in southern CA, southern NV, and northwestern AZ (McLaughlin 1982).

+fugatei S.P. McLaughlin [McLaughlin 1985]

San Antonio bluestar

hirtella Standley = Amsonia palmeri Gray

jonesii Woodson [Sivinski et al. 1994]

Jones's bluestar

longiflora Torrey var. ***longiflora*** [M&H; McLaughlin 1982; W&S]

trumpet bluestar

longiflora Torrey var. ***salpignatha*** (Woodson) McLaughlin [McLaughlin 1982]

trumpet bluestar

palmeri Gray [M&H; McLaughlin 1982; W&S]

Palmer's bluestar

Amsonia hirtella Standley

Amsonia standleyi Woodson

standleyi Woodson = Amsonia palmeri Gray

tharpii Woodson [Allred 1999]

Tharp's bluestar

tomentosa Torrey & Fremont var. ***stenophylla*** Kearney & Peebles [M&H; McLaughlin 1982; W&S]

wooly bluestar

Amsonia arenaria Standley

Amsonia brevifolia of NM reports

Apocynum dogbane

ambigens Greene = Apocynum androsaemifolium Linnaeus var. glabrum Macoun

androsaemifolium Linnaeus var. ***androsaemifolium*** [M&H; W&S]

spreading dogbane

Apocynum scopulorum Greene

androsaemifolium Linnaeus var. ***glabrum*** Macoun [M&H; W&S]

spreading dogbane

Apocynum ambigens Greene

angustifolium Wooton = Apocynum cannabinum Linnaeus

cannabinum Linnaeus [M&H; W&S]

Indian-hemp

Apocynum angustifolium Wooton

Apocynum cannabinum Linnaeus var. *angustifolium* (Wooton) N. Holmgren

Apocynum cannabinum Linnaeus var. *glaberrimum* A.A.P. de Candolle

Apocynum hypericifolium Aiton

Apocynum laurinum Greene

Apocynum sibericum Jacquin var. *salignum* (Greene) Fernald

Apocynum suksdorfii Greene var. *angustifolium* (Wooton) Woodson

Apocynum suksdorfii Greene var. *suksdorfii*

Apocynum viride Wooton & Standley

cannabinum Linnaeus var. *angustifolium* (Wooton) N. Holmgren Apocynum cannabinum Linnaeus

cannabinum Linnaeus var. *glaberrimum* A.A.P. de Candolle = Apocynum cannabinum Linnaeus

cannabinum Linnaeus var. *lividum* (Greene) A. Nelson = Apocynum medium Greene var. lividum (Greene) Woodson

floribundum Greene = Apocynum medium Greene var. floribundum (Greene) Woodson

hypericifolium Aiton = Apocynum cannabinum Linnaeus

laurinum Greene = Apocynum cannabinum Linnaeus

lividum Greene = Apocynum medium Greene var. lividum (Greene) Woodson

medium Greene var. ***floribundum*** (Greene) Woodson [M&H]

intermediate dogbane

Apocynum floribundum Greene

medium Greene var. ***lividum*** (Greene) Woodson [M&H; W&S]

intermediate dogbane

Apocynum cannabinum Linnaeus var. *lividum* (Greene) A. Nelson

Apocynum lividum Greene

scopulorum Greene = Apocynum androsaemifolium Linnaeus var. androsaemifolium

sibericum Jacquin var. *salignum* (Greene) Fernald = Apocynum cannabinum Linnaeus

suksdorfii Greene var. *angustifolium* (Wooton) Woodson = Apocynum cannabinum Linnaeus

suksdorfii Greene var. *suksdorfii* = Apocynum cannabinum Linnaeus

viride Wooton & Standley = Apocynum cannabinum Linnaeus var. cannabinum

Haplophyton cockroach plant

crooksii (L. Benson) L. Benson [M&H]

cockroach plant

Macrosiphonia brachysiphon (Torrey) Gray = Telosiphonia brachysiphon (Torrey) Henrickson

Telosiphonia rock-trumpets

Henrickson, J. 1996. Studies in *Macrosiphonia* (Apocynaceae): Generic recognition of *Telosiphonia*. Aliso 14(3):179-195.

brachysiphon (Torrey) Henrickson [Henrickson 1996; M&H]

rock-trumpets

Macrosiphonia brachysiphon (Torrey) Gray

Vinca periwinkle

Johnson, S. 2001. New plant distribution records. The New Mexico Botanist 19:3. [*Vinca major*]

****major*** Linnaeus [Johnson 2001]

periwinkle

Family ARALIACEAE

[Hederaceae]

Aralia spikenard

Wen, J., S. Shi, R.K. Jansen, & E.A. Zimmer. 1998. Phylogeny and biogeography of *Aralia* sect. *Aralia* (Araliaceae). Amer. J. Bot. 85(6):866-875.

bicrenata Wooton & Standley = Aralia racemosa Linnaeus subsp. bicrenata (Wooton & Standley) Welsh & Atwood

humilis Cavanilles : Reported questionably by Kartesz (1999); awaits verification.

racemosa Linnaeus subsp. ***bicrenata*** (Wooton & Standley) Welsh & Atwood [M&H; W&S]
American spikenard
Aralia bicrenata Wooton & Standley

Family ARISTOLOCHIACEAE

Aristolochia dutchman's-pipe
Barringer, K. 1997. *Aristolochia*, pp. 45-50. IN: Flora of North America, vol. 3. Oxford University Press.
watsonii Wooton & Standley [Barringer 1997; M&H; W&S]
Indian-root
wrightii Seemann [Barringer 1997; Spellenberg et al. 1986]
Wright's dutchman's-pipe

Family ASCLEPIADACEAE

Note: Some workers are now treating Asclepiadaceae within Apocynaceae.
Liede, S. 1997. Subtribes and genera of the tribe Asclepiadeae (Apocynaceae, Asclepiadoideae) - a synopsis. Taxon 46:233-248.
Sundell, E. 1994. Asclepiadaceae. J. Ariz.-Nev. Acad. Sci. 27(2):169-187.
Acerates auriculata Engelmann = Asclepias engelmanniana Woodson
ivesii (Britton) Wooton & Standley = Asclepias viridiflora Rafinesque
rusbyi Vail = Asclepias rusbyi (Vail) Woodson
viridiflora (Rafinesque) Eaton = Asclepias viridiflora Rafinesque
Asclepias milkweed
Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Asclepias verticillata*]
Great Plains Flora Association. 1977. Atlas of the Flora of the Great Plains. Iowa State Univ. Press. 600 pp. [*Asclepias verticillata*]
Heil, K.D., J.M. Porter, and S.L. Welsh. 1989. A new species of *Asclepias* (Asclepiadaceae) from northwestern New Mexico. Great Basin Naturalist 49:100-103. [*Asclepias sanjuanensis*]
Holmgren, P.K. & N.H. Holmgren. 1984. Asclepiadaceae, pp. 31-50. IN: Intermountain Flora, vol. 4. New York botanical Garden. [*Asclepias hallii*, *A. macrosperma*]
Kephart, S.R., R.Wyatt, & D. Parrella. 1988. Hybridization in North American *Asclepias*. I. Morphological evidence. Syst. Bot. 13(3):456-473.
Sundell, E. 1990. Notes on Arizona *Asclepias* (Asclepiadaceae) with a new combination. Phytologia 69(4):265-270.
Woodson, R.E. 1954. The North American species of *Asclepias*. Ann. Missouri Bot. Gard. 41:1-211.
arenaria Torrey [M&H; W&S]
sand milkweed
asperula (Decaisne) Woodson subsp. ***asperula*** [M&H]
spider milkweed
Asclepias capricornu Woodson subsp. occidentalis Woodson
asperula (Decaisne) Woodson subsp. ***capricornu*** (Woodson) Woodson [M&H; W&S]
antelope-horns
Asclepias capricornu Woodson
Asclepiodora decumbens (Nuttall) Gray
brachystephana Engelmann ex Torrey [M&H; W&S]
shortcrown milkweed
capricornu Woodson = Asclepias asperula (Decaisne) Woodson subsp. capricornus (Woodson) Woodson
capricornu Woodson subsp. occidentalis Woodson = Asclepias asperula (Decaisne) Woodson subsp. asperula
elata Bentham = Asclepias glaucescens Kunth
emoryi (Greene) Vail [M&H; W&S]
Emory's comet
Podostemma emoryi Greene
engelmanniana Woodson [M&H; W&S]
Engelmann milkweed
Acerates auriculata Engelmann
engelmanniana Woodson var. *rusbyi* (Vail) Kearney = Asclepias rusbyi (Vail) Woodson
galioides Humboldt, Bonpland, & Kunth [=Asclepias mexicana Cavanilles] : Not known to occur in NM (Woodson 1954).
galioides of numerous American authors = Asclepias subverticillata (Gray) Vail
glaucescens Kunth [M&H; W&S]
nodding milkweed
Asclepias elata Bentham
hallii Gray [Holmgren & Holmgren 1984]
Hall's milkweed
hypoleuca (Gray) Woodson [M&H; W&S]
mahogany milkweed
Gomphocarpus hypoleucus Gray
incarnata Linnaeus [M&H; W&S]
swamp milkweed
involucrata Engelmann ex Torrey [M&H; W&S]
dwarf milkweed
latifolia (Torrey) Rafinesque [M&H; W&S]
broad-leaf milkweed

linaria Cavanilles [M&H]
pine-needle milkweed
macrosperma Eastwood [Holmgren & Holmgren 1984; M&H]
macrotis Torrey [M&H; W&S]
long-hood milkweed
nummularia Torrey [M&H; W&S]
tufted milkweed
nyctaginifolia Gray [M&H]
Mojave milkweed
Podostemma nyctaginifolia (Gray) Greene
oenotheroides Chamisso & Schlectendal [M&H; W&S]
zizotes milkweed
Asclepias wrightii Greene
Podostemma lindheimeri (Engelmann & Gray) Greene
pumila (Gray) Vail [M&H; W&S]
low milkweed
Asclepias verticillata Linnaeus var. *pumila* Gray
quinquedentata Gray [M&H; W&S]
slimpod milkweed
rusbyi (Vail) Woodson [M&H; W&S]
Rusby's milkweed
Acerates rusbyi Vail
Asclepias engelmanniana Woodson var. *rusbyi* (Vail) Kearney
+***sanjuanensis*** Heil, Porter, & Welsh [Heil et al. 1989]
San Juan milkweed
scaposa Vail [M&H; W&S]
bear mountain milkweed
speciosa Torrey [M&H; W&S]
showy milkweed
subverticillata (Gray) Vail [M&H; W&S]
horsetail milkweed
Asclepias galioides of numerous American authors
tuberosa Linnaeus subsp. ***interior*** Woodson [Sundell 1994; W&S]
butterfly milkweed
Asclepias tuberosa Linnaeus subsp. *terminalis* Woodson
tuberosa Linnaeus subsp. *terminalis* Woodson = Asclepias tuberosa Linnaeus subsp. interior Woodson
uncialis Greene [M&H; W&S]
wheel milkweed
verticillata Linnaeus [Allred 1999; Great Plains Flora Association 1977]
whorled milkweed
verticillata Linnaeus var. *pumila* Gray = Asclepias pumila (Gray) Vail
viridiflora Rafinesque [M&H; W&S]
green comet
Acerates ivesii (Britton) Wooton & Standley
Acerates viridiflora (Rafinesque) Eaton
Asclepias viridiflora Rafinesque var. *lanceolata* (Ives) Torrey
viridiflora Rafinesque var. *lanceolata* (Ives) Torrey = Asclepias viridiflora Rafinesque
wrightii Greene = Asclepias oenotheroides Chamisso & Schlectendal
Asclepiodora decumbens (Nuttall) Gray = Asclepias asperula (Decaisne) Woodson subsp. capricornu Woodson
Cynanchum climbing milkweed
Henrickson, J. 1987. Notes on *Cynanchum* (Asclepiadaceae). Sida 12(1):91-99.
Sundell, E. 1981. The new world species of *Cynanchum* subgenus *Mellichampia* (Asclepiadaceae). Evol. Monographs 5:1-63.
Todsen, T.K. 1984. Noteworthy collections (New Mexico). Madroño 31:125. [*Cynanchum wigginsii*, as *C. arizonicum*]
arizonicum (Gray) Shinners : Reported by Todsen (1984), but the specimen is now identified as Cynanchum wigginsii Shinners, fide Robert Sivinski (pers. comm. 1996).
wigginsii Shinners [Todsen 1984]
Wiggins's climbing milkweed
Funastrum crispum (Bentham) Schlechtendal = Sarcostemma crispum Bentham
cynanchoides (Decaisne) Schlechtendal = Sarcostemma cynanchoides Decaisne subsp cynanchoides
heterophyllum (Engelmann ex Torrey) Standley = Sarcostemma cynanchoides Decaisne subsp. hartwegii (Vail) R. Holm
Gomphocarpus hypoleucus Gray = Asclepias hypoleuca (Gray) Woodson
Gonolobus parvifolius Torrey : Reported as expected by M&H; awaits verification.
Vincetoxicum parvifolium (Torrey) Heller
productus Torrey = Matelea producta (Torrey) Woodson
reticulatus Engelmann : Reported as expected by M&H map; awaits verification.
Vincetoxicum reticulatum (Engelmann) Heller

Matelea milkvine

biflora (Rafinesque) Woodson : Reported without documentation by Kartesz (1999); awaits verification.

producta (Torrey) Woodson [M&H; W&S]

Texas milkvine

Gonolobus productus Torrey

Vincetoxicum productum (Torrey) Vail

Philibertella crispa (Bentham) Vail = Sarcostemma crispum Bentham

cynanchoides (Decaisne) Vail = Sarcostemma cynanchoides Decaisne subsp. cynanchoides

heterophylla (Engelmann) Cockerell = Sarcostemma cynanchoides Decaisne subsp. hartwegii (Vail) R. Holm

Podostemma emoryi Greene = Asclepias emoryi (Greene) Vail

lindheimeri (Engelmann & Gray) Greene = Asclepias oenotherioides Chamisso & Schlectendal

nyctaginifolia (Gray) Greene = Asclepias nyctaginifolia Gray

Sarcostemma milkvine

Holm, R.W. 1950. The American species of *Sarcostemma* R. Brown (Asclepiadaceae). Ann. Missouri Bot. Gard. 37:477-560.

Liede, S. 1996. *Sarcostemma* (Asclepiadaceae) -- a controversial generic circumscription reconsidered: Morphological evidence. Syst. Bot. 21(1):31-44.

crispum Bentham [M&H; W&S]

wavy-leaf milkvine

Funastrum crispum (Bentham) Schlechtendal

Philibertella crispa (Bentham) Vail

cynanchoides Decaisne subsp. ***cynanchoides*** [M&H; W&S]

climbing milkweed

Funastrum cynanchoides (Decaisne) Schlechtendal

Philibertella cynanchoides (Decaisne) Vail

cynanchoides Decaisne subsp. ***hartwegii*** (Vail) R. Holm [M&H; W&S]

climbing milkweed

Funastrum heterophyllum (Engelmann ex Torrey) Standley

Philibertella heterophylla (Engelmann ex Torrey) Cockerell

Sarcostemma heterophyllum Engelmann ex Torrey

heterophyllum Englemann = Sarcostemma cynanchoides Decaisne subsp. hartwegii (Vail) R. Holm

Vincetoxicum parvifolium (Torrey) Heller = Gonolobus parvifolius Torrey

productum (Torrey) Vail = Matelea producta (Torrey) Woodson

reticulatum (Engelmann) Heller = Gonolobus reticulatus Engelmann

Family ASTERACEAE (COMPOSITAE)

[Ambrosiaceae, Cichoriaceae, Mutisiaceae]

Barkley, T.M., L. Brouillet, & J.L. Strother. 2006. Asteraceae. IN: Flora of North America, vols. 19, 20, & 21. Oxford University Press.

Kittell, M.T. 1941. A Critical Revision of the Compositae of Arizona and New Mexico. The Catholic University of America, Biological Series No. 34.

Nesom, G.L. 2000. Generic conspectus of the tribe Astereae (Asteraceae) in North America and Central America, the Antilles, and Hawaii. Sida, Botanical Miscellany No. 20.

Acanthoxanthium spinosum (Linnaeus) Fourr. = Xanthium spinosum Linnaeus

Achaetogeron chihuahuensis Larsen = Erigeron versicolor (Greenman) Nesom

versicolor Greenman = Erigeron versicolor (Greenman) Nesom

Achillea yarrow

Cronquist, A. 1994. *Achillea*, pp. 134-136. IN: Intermountain Flora, vol. 5. New York Botanical Garden.

Tyrl, R.J. 1975. Origin and distribution of polyploid *Achillea* (Compositae) in western North America. Brittonia 27:187-196.

alpicola Rydberg = Achillea millefolium Linnaeus

lanulosa Nuttall subsp. *apicola* (Rydberg) Keck = Achillea millefolium Linnaeus

lanulosa Nuttall subsp. *lanulosa* = Achillea millefolium Linnaeus

lanulosa Nuttall subsp. *typica* Keck = Achillea millefolium Linnaeus

laxiflora Pollard & Cockerell = Achillea millefolium Linnaeus

millefolium Linnaeus var. *alpicola* (Rydberg) Garrett = Achillea millefolium Linnaeus

millefolium Linnaeus var. *lanulosa* (Nuttall) Piper = Achillea millefolium Linnaeus

millefolium Linnaeus [M&H; W&S]

western yarrow

Achillea alpicola Rydberg

Achillea lanulosa Nuttall subsp. *apicola* (Rydberg) Keck

Achillea lanulosa Nuttall subsp. *lanulosa*

Achillea lanulosa Nuttall subsp. *typica* Keck

Achillea laxiflora Pollard & Cockerell

Achillea millefolium Linnaeus var. *alpicola* (Rydberg) Garrett

Achillea millefolium Linnaeus var. *lanulosa* (Nuttall) Piper

Achillea millefolium Linnaeus var. *occidentalis* A.P. de Candolle

Achillea subalpina Greene

millefolium Linnaeus var. *occidentalis* A.P. de Candolle = Achillea millefolium Linnaeus

subalpina Greene = Achillea millefolium Linnaeus

Achyropappus neomexicanus Gray = Schkuhria multiflora Hooker& Arnott

woodhousei Gray = Picradeniopsis woodhousei (Gray) Rydberg

Aciphyllaea acerosa (A.P. de Candolle) Gray = Dyssodia acerosa A.P. de Candolle

Acosta maculosa of American authors = Centaurea stoebe Linnaeus subsp. micranthos (S.G. Gmelin ex Gugler) Hayek

Acourtia desert holly

Reveal, J.L. and R.M. King. 1973. Re-establishment of *Acourtia* D. Don (Asteraceae). Phytologia 15:228-232.

nana (Gray) Reveal & King [M&H; W&S]
desert holly
Perezia nana Gray

thurberi (Gray) Reveal & King [M&H; W&S]
desert peony
Perezia thurberi Gray

wrightii (Gray) Reveal & King [M&H; W&S]
fluff-root
Perezia wrightii Gray

Acroptilon knapweed

Allred, K.W. & R. Lee. 1999. Knapweeds, starthistles, and basketflowers of New Mexico. The New Mexico Botanist 10:1-4.

***repens** (Linnaeus) A.P. de Candolle [M&H]
Russian knapweed
Centaurea picris Pallas ex Willdenow
Centaurea repens Linnaeus

Actinea acaulis (Pursh) Sprengel = Tetraneuris acaulis (Pursh) Greene var acaulis
depressa Torrey & Gray var. *pygmaea* Gray = Tetraneuris acaulis (Pursh) Greene var acaulis
acaulis (Pursh) Sprengel subsp. *arizonica* (Greene) Blake = Tetraneuris acaulis (Pursh) Greene var. arizonica (Greene) Parker
arizonica (Greene) A. Nelson = Tetraneuris acaulis (Pursh) Greene var. arizonica (Greene) Parker
brandegeei (Porter ex Gray) Rydberg = Hymenoxys brandegeei (Porter ex Gray) Parker
formosa (Greene ex Wooton & Standley) Nelson = Tetraneuris Formosa Greene ex Wooton & Standley
linearifolia (Hooker) Torrey & Gray = Tetraneuris linearifolia (Hooker) Greene
linearifolia (Hooker) Torrey & Gray var. *oblongifolia* (Greene) Kittell = Tetraneuris linearifolia (Hooker) Greene
scaposa (A.P. de Candolle) Kuntze = Tetraneuris scaposa (A.P. de Candolle) var. scaposa
Actinella argentea Gray = Tetraneuris argentea (Gray) Greene
bigelovii Gray = Hymenoxys bigelovii (Gray) Parker
carnosa A. Nelson = Chamaechaenactis scaposa (Eastwood) Rydberg var. scaposa
glabra Nuttall = Tetraneuris scaposa (A.P. de Candolle) Greene var. scaposa
leptoclada Torrey = Tetraneuris argentea (Gray) Greene
odorata (A.P. de Candolle) Gray = Hymenoxys odorata A.P. de Candolle
richardsonii (Hooker) Nuttall = Hymenoxys richardsonii (Hooker) Cockerell var. richardsonii
richardsonii (Hooker) Nuttall var. *floribunda* (Hooker) Gray = Hymenoxys richardsonii (Hooker) Cockerell var. floribunda (Gray) Parker
rusbyi (Gray) Rydberg = Hymenoxys richardsonii (Hooker) Cockerell var. richardsonii
scaposa (A.P. de Candolle) Nuttall = Tetraneuris scaposa (A.P. de Candolle) Greene var. scaposa
scaposa (A.P. de Candolle) Nuttall var. *angustifolia* (Greene) Kittell = Tetraneuris scaposa (A.P. de Candolle) Greene var. scaposa
scaposa (A.P. de Candolle) Nuttall var. *linearis* Nuttall = Tetraneuris scaposa (A.P. de Candolle) Greene var. scaposa
vaseyi Gray = Hymenoxys vaseyi (Gray) Cockerell
Actinomeris longifolia Gray = Verbesina longifolia Gray

Adenophyllum dogweed

Sivinski, R. 2000. Flora Neomexicana: something old and something new. Native Plant Society of New Mexico Newsletter 25(1):10-11.
Strother, J.L. 1986. Renovation of *Dyssodia* (Compositae: Tageteae). Sida 11:371-378.

wrightii Gray [M&H; Sivinski 2000; W&S]
Wright's dogweed
Dyssodia neomexicana (Gray) Robinson
Hymenatherum neomexicanum Gray
Thymophylla neomexicana (Gray) Wooton & Standley

Ageratina snakeroot

Schilling, E.E., J.L. Panero, & P.B. Cox. 1999. Chloroplast DNA restriction site data support a narrowed interpretation of *Eupatorium* (Asteraceae). Plant Syst. Evol. 219:209-223.

herbacea (Gray) R.M. King & H.E. Robinson [M&H; W&S]
fragrant snakeroot
Eupatorium arizonicum Greene
Eupatorium herbaceum (Gray) Greene

rothrockii (Gray) R.M. King & H.E. Robinson [M&H; W&S]
Rothrock's snakeroot
Eupatorium rothrockii Gray

wrightii (Gray) R.M. King & H.E. Robinson [M&H; W&S]
Wright's snakeroot
Eupatorium wrightii Gray

Ageratum whiteweed

corymbosum Zuccarini [M&H; W&S]
whiteweed
Coelestina corymbosa A.P. de Candolle
Coelestina sclerophylla Wooton & Standley

Agoseris agoseris

Baird, G.I. 2004. Two new varieties of *Agoseris* (Asteraceae: Lactuceae). Sida 29(1):267-274.

Baird, G.I. 2006. *Agoseris*, p. 323-335. IN: Flora of North America, vol. 19. Oxford University Press, New York.
Cronquist, A. 1994. *Agoseris*, pp. 428-433. IN: Intermountain Flora, vol. 5. New York Botanical Garden.
Hershey, A.L. & P.J. Leyendecker, Jr. 1944. Notes on plants of New Mexico—III. Leaflets of Western Botany 4(2):21-25. [*Agoseris heterophylla*]

arizonica (Greene) Greene = Agoseris aurantiaca (Hooker) Greene var. purpurea (Gray) Cronquist

aurantiaca (Hooker) Greene var. ***aurantiaca*** [M&H; W&S]

orange-flowered agoseris

Agoseris gracilens Greene var. *greenei* (Gray) Greene
Agoseris greenei (Gray) Rydberg
Troximon aurantiacum Hooker

aurantiaca (Hooker) Greene var. ***purpurea*** (Gray) Cronquist [M&H; W&S]

Arizona agoseris

Agroseris arizonica (Greene) Greene
Agoseris graminifolia Greene
Agoseris leptocarpa Osterhout
Agoseris purpurea (Gray) Greene
Macrorhynchus purpureus Gray
Troximon arizonicum Greene

cuspidata (Pursh) Steudel = Nothocalais cuspidata (Pursh) Greene

glauca (Pursh) D. Dietrich var. ***glauca*** [M&H; W&S]

pale agoseris

Agoseris pumila (Nuttall) Rydberg
Troximon glaucum Pursh

glauca (Pursh) Rafinesque var. *laciniata* (D.C. Eaton) Kuntze = Agoseris parviflora (Nuttall) D. Dietrich
glauca (Pursh) Rafinesque var. *laciniata* (D.C. Eaton) Smiley = Agoseris parviflora (Nuttall) D. Dietrich
glauca (Pursh) Rafinesque var. *parviflora* (Nuttall) Rydberg = Agoseris parviflora (Nuttall) D. Dietrich
gracilens Greene var. *greenei* (Gray) Greene = Agoseris aurantiaca (Hooker) Greene var. aurantiaca
graminifolia Greene = Agoseris aurantiaca (Hooker) Greene var. purpurea (Gray) Cronquist
greenei (Gray) Rydberg = Agoseris aurantiaca (Hooker) Greene var. aurantiaca

heterophylla (Nuttall) Greene var. ***heterophylla*** [Hershey & Leyendecker 1944; M&H]

annual agoseris

Macrorhynchus heterophyllus Nuttall

heterophylla (Nuttall) Greene var. ***quentinii*** G.I. Baird [Baird 2004]

annual agoseris

laciniata (D.C. Eaton) Greene = Agoseris parviflora (Nuttall) D. Dietrich
leptocarpa Osterhout = Agoseris aurantiaca (Hooker) Greene var. purpurea (Gray) Cronquist

parviflora (Nuttall) Dietrich [M&H; W&S]

cutleaf agoseris

Agoseris *glauca* (Pursh) Rafinesque var. *laciniata* (D.C. Eaton) Kuntze
Agoseris *glauca* (Pursh) Rafinesque var. *laciniata* (D.C. Eaton) Smiley
Agoseris glauca (Pursh) Rafinesque var. *parviflora* (Nuttall) Rydberg
Agoseris laciniata (D.C. Eaton) Greene
Agoseris taraxacifolia (Nuttall) D. Dietrich
Troximon parviflorum Nuttall

pumila (Nuttall) Rydberg = Agoseris glauca (Pursh) D. Dietrich var. glauca
purpurea (Gray) Greene = Agoseris aurantiaca (Hooker) Greene var. purpurea (Gray) Cronquist
taraxacifolia (Nuttall) D. Dietrich = Agoseris parviflora (Nuttall) D. Dietrich

Almutaster aster

Nesom, G.L. 1994 [1995]. Review of the taxonomy of Aster sensu lato (Asteraceae: Astereae), emphasizing the New World species. Phytologia 77(3):141-297.

pauciflorus (Nuttall) A. & D. Löve [M&H; W&S]

marsh aster

Aster hydrophilus Greene
Aster pauciflorus Nuttall
Aster pauciflorus Nuttall var. *gracillimus* Gray

Amauria dissecta Gray = Amauriopsis dissecta (Gray) Rydberg

Amauriopsis bahia

dissecta (Gray) Rydberg [M&H]

ragged-leaf bahia

Amauria dissecta Gray
Bahia dissecta (Gray) Britton
Villanova dissecta (Gray) Rydberg

Ambrosia ragweed

Lee, R. 1999. New Mexico's Invasive Weeds. New Mexico State Univ. Coop. Ext. Serv. [*Ambrosia grayii*]
Payne, W.W. 1964. A re-evaluation of the genus *Ambrosia* (Compositae). J. Arnold Arbor. 45:401-430.
Peterson, K.M. & W.W. Payne. 1973. The genus *Hymenoclea* (Compositae: Ambrosieae). Brittonia 25:243-256.
Strother, J.L. & B.G. Baldwin. 2002. Hymenocleas are Ambrosias (Compositae). Madroño 49(3):143-144.

aptera A.P. de Candolle = Ambrosia trifida Linnaeus var. texana Scheele

acanthicarpa Hooker [M&H; W&S]

bur ragweed

Franseria acanthicarpa (Hooker) Coville
Gaertneria acanthicarpa (Hooker) Britton

artemisiifolia Linnaeus var. ***elatior*** (Linnaeus) Descourtils [M&H; W&S]
annual ragweed
Ambrosia diversifolia (Piper) Rydberg
Ambrosia elatior Linnaeus

confertiflora A.P. de Candolle [M&H; W&S]
Mexican ragweed
Franseria confertiflora (A.P. de Candolle) Rydberg
Franseria tenuifolia Gray
Gaertneria tenuifolia (Gray) Kuntze

diversifolia (Piper) Rydberg = Ambrosia artemisiifolia Linnaeus var. elatior (Linnaeus) Descourtils

elatior Linnaeus Ambrosia artemisiifolia Linnaeus var. elatior (Linnaeus) Descourtils

grayii (A. Nelson) Shinners [Lee 1999]
wooly-leaf bursage
Gaertneria grayi A. Nelson
Franseria tomentosa Gray [not Franseria tomentosa Nuttall]

monogyra (Torrey & Gray ex Gray) Strother & Baldwin [M&H; W&S]
cheesebush
Hymenoclea monogyra Torrey & Gray ex Gray

psilostachya A.P. de Candolle [M&H; W&S]
perennial ragweed
Ambrosia psilostachya A.P. de Candolle var. *lindheimeriana* (Scheele) Blankinship

psilostachya A.P. de Candolle var. *lindheimeriana* (Scheele) Blankinship = Ambrosia psilostachya A.P. de Candolle

tomentosa Nuttall [M&H; W&S]
skeleton-leaf bursage
Franseria discolor Nuttall
Franseria tomentosa (Nuttall) A. Nelson [not Franseria tomentosa Gray]
Gaertneria tomentosa (Nuttall) Heller

trifida Linnaeus var. *integrifolia* (Muhlenberg) Torrey & Gray = Ambrosia trifida Linnaeus var. trifida

trifida Linnaeus var. ***texana*** Scheele [M&H; W&S]
great ragweed
Ambrosia aptera A.P. de Candolle

trifida Linnaeus var. ***trifida*** [M&H]
great ragweed
Ambrosia trifida Linnaeus var. *integrifolia* (Muhlenberg) Torrey & Gray

Amphiachyris broomweed

Lane, M. 1979. Taxonomy of the genus *Amphiachyris* (Asteraceae: Astereae). Syst. Bot. 4(2):178-189.
Lane, M. 1982. Generic limits of *Xanthocephalum*, *Gutierrezia*, *Amphiachyris*, *Gymnosperma*, *Greenella*, and *Thurovia* (Compositae: Astereae). Syst. Bot. 7:405-416.

dracunculoides (A.P. de Candolle) Nuttall [M&H; W&S]
prairie broomweed
Brachyris dracunculoides A.P. de Candolle
Gutierrezia dracunculoides (A.P. de Candolle) Blake
Xanthocephalum dracunculoides (A.P. de Candolle) Shinners

Anaphalis everlasting

margaritacea (Linnaeus) Bentham & Hooker [M&H; W&S]
pearly everlasting
Anaphalis margaritacea (Linnaeus) Gray var. *angustior* (Miquel) Nakai
Anaphalis margaritacea (Linnaeus) Gray var. *intercedens* Hara
Anaphalis margaritacea (Linnaeus) Gray var. *occidentalis* Greene
Anaphalis margaritacea (Linnaeus) Gray var. *revoluta* Suksdorf
Anaphalis margaritacea (Linnaeus) Gray var. *subalpina* Gray

margaritacea (Linnaeus) Gray var. *angustior* (Miquel) Nakai = Anaphalis margaritacea (Linnaeus) Bentham & Hooker

margaritacea (Linnaeus) Gray var. *intercedens* Hara = Anaphalis margaritacea (Linnaeus) Bentham & Hooker

margaritacea (Linnaeus) Gray var. *occidentalis* Greene = Anaphalis margaritacea (Linnaeus) Bentham & Hooker

margaritacea (Linnaeus) Gray var. *revoluta* Suksdorf = Anaphalis margaritacea (Linnaeus) Bentham & Hooker

margaritacea (Linnaeus) Gray var. *subalpina* Gray = Anaphalis margaritacea (Linnaeus) Bentham & Hooker

Antennaria pussytoes

Cronquist, A. 1994. *Antennaria*, pp. 368-376. IN: Intermountain Flora, vol. 5. New York Botanical Garden.
Bayer, R.J. 1990. A systematic study of *Antennaria media*, *A. pulchella*, and *A. scabra* (Asteraceae: Inuleae) of the Sierra Nevada and White Mountains. Madroño 37(3):171-183.
Bayer, R.J. 2006. *Antennaria*, p. 388-415. IN: Flora of North America, vol. 19. Oxford University Press, New York.
Bayer, R.J. & G.L. Stebbins. 1987. Chromosome numbers, patterns of distribution, and apomixis in *Antennaria* (Asteraceae: Inuleae). Syst. Bot. 12:305-319.
McGrath, J. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Antennaria corymbosa*]

aprica Greene = Antennaria parvifolia Nuttall

arida E. Nelson = Antennaria rosea Greene subsp. arida (E.E. Nelson) R.J. Bayer

arida E. Nelson var. *viscidula* E. Nelson = Antennaria rosea Greene subsp. arida (E.E. Nelson) R.J. Bayer

concinna E. Nelson = Antennaria rosea (D.C. Eaton) Greene subsp. confinis (Greene) R.J. Bayer
corymbosa E. Nelson [McGrath 2000]
flat-top pussytoes
dimorpha (Nuttall) Torrey & Gray [Bayer 2006]
cushion pussytoes
fendleri Greene = Antennaria marginata Greene
formosa Greene = Antennaria rosea (D.C. Eaton) Greene subsp. rosea
imbricata E. Nelson = Antennaria rosea (D.C. Eaton) Greene subsp. rosea
latisquamea Greene [not Piper] = Antennaria parvifolia Nuttall
marginata Greene [M&H; W&S]
white-margin pussytoes
Antennaria fendleri Greene
Antennaria peramoena Greene
media Greene [Bayer 1990; M&H; W&S]
Rocky Mountain pussytoes
Antennaria mucronata E.E. Nelson
Antennaria umbrinella sensu NM authors
microphylla Rydberg [M&H; W&S]
little-leaf pussytoes
Antennaria obovata sensu W&S and M&H
mucronata E.E. Nelson = Antenarria media Greene
obovata sensu W&S and M&H = Antennaria microphylla Rydberg
parvifolia Nuttall [M&H; W&S]
Nuttall's pussytoes
Antennaria aprica Greene
Antennaria latisquamea Greene [not Piper]
peramoena Greene = Antennaria marginata Greene
rosea (D.C. Eaton) Greene subsp. ***confinis*** (Greene) R.J. Bayer [W&S]
rosy pussytoes
Antennaria concinna E. Nelson
rosea (D.C. Eaton) Greene subsp. ***arida*** (E.E. Nelson) R.J. Bayer [Bayer 2006; M&H; W&S]
rosy pussytoes
Antennaria arida E.E. Nelson
Antennaria arida E.E. Nelson subsp. *viscidula* E.E. Nelson
Antennaria viscidula (E.E. Nelson) Rydberg
rosea (D.C. Eaton) Greene subsp. ***rosea*** [W&S]
rosy pussytoes
Antennaria formosa Greene
Antennaria imbricata E. Nelson
rosulata Rydberg [M&H; W&S]
wooly pussytoes
Antennaria sierrae-blancae Rydberg
sierrae-blancae Rydberg = Antennaria rosulata Rydberg
umbrinella sensu NM authors = Antennaria media Greene
viscidula (E. Nelson) Rydberg = Antennaria rosea Greene subsp. arida (E.E. Nelson) R.J. Bayer

Anthemis chamomile
****cotula*** Linnaeus [M&H; W&S]
stinking chamomile
Maruta cotula (Linnaeus) A.P. de Candolle

Antheropeas lanosum (Gray) Rydberg = Eriophyllum lanosum Gray

Aphanostephus faintcrown
Turner, B.L. 1984. Taxonomy of the genus *Aphanostephus* (Asteraceae--Astereae). Phytologia 56:81-101.
Worthington, R. 2006. Plant distribution reports. The New Mexico Botanist 35:3. [Aphanostephus ramosissimus var. ramosissimus]
arizonicus Gray = Aphanostephus ramosissimus A.P. de Candolle var. humilis (Bentham) Turner & Birdsong
arkansanus (A.P. de Candolle) Gray = Aphanostephus skirrhobasis (A.P. de Candolle) Trelease
humilis Bentham = Aphanostephus ramosissimus A.P. de Candolle var. humilis (Bentham) Turner & Birdsong
perennis Wooton & Standley = Aphanostephus riddellii Torrey & Gray
ramosissimus A.P. de Candolle var. ***humilis*** (Bentham) Turner & Birdsong [Turner 1984]
low faintcrown
Aphanostephus arizonicus Gray
Aphanostephus humilis Bentham
ramosissimus A.P. de Candolle var. ***ramosissimus*** [Worthington 2006]
low faintcrown
riddellii Torrey & Gray [M&H; W&S]
Riddell's faintcrown
Aphanostephus perennis Wooton & Standley

skirrhobasis (A.P. de Candolle) Trelease [M&H; Turner 1984; W&S]
Arkansas dozedaisy
Aphanostephus arkansanus (A.P. de Candolle) Gray
Keerlia skirrhobasis A.P. de Candolle

Aplopappus blephariphyllus Gray = Xanthisma blephariphyllum (Gray) Morgan & Hartman

linearifolius Buckley = Baccharis texana (Torrey & Gray) Gray

Arctium burdock

Arènes, J. 1950. Monographie du genre *Arctium* L. Bull. Jard. Bot. État 20:67-156.

****minus*** (Hill) Bernhardi [M&H; W&S]
burdock
Lappa minus Hill

Arida spine-aster

Morgan, D.R. & R.L. Hartman. 2003. A synopsis of *Machaeranthera* (Asteraceae: Astereae), with recognition of segregate genera. Sida 20(4):1387-1416.

Nesom, G.L., L.A. Vorobik, and R.L. Hartman. 1990. The identity of *Aster blepharophyllus* (Asteraceae: Astereae). Syst. Bot. 15(4):638-642.

blepharophylla (Gray) Morgana & Hartman [Nesom et al. 1990]
La Playa Springs spine-aster
Aster blepharophyllus Gray
Machaeranthera gypsitherma Nesom, Vorobik, & Hartman

parviflora (Gray) Morgan & Hartman [M&H; W&S]
small-flower spine-aster
Aster parvulus Blake
Aster tanacetifolius Humboldt, Bonpland, & Kunth var. *pygmaeus* Gray
Machaeranthera parviflora Gray
Machaeranthera pygmaea (Gray) Wooton & Standley

riparia (Kunth) Morgan & Hartman [Spellenberg et al. 1986]
Sonoran spine-aster
Machaeranthera riparia (Kunth) A.G. Jones
Machaeranthera sonorae (Gray) Stucky

Arnica arnica

Downie, S.R. & K.E. Denford. 1988. Taxonomy of *Arnica* (Asteraceae) subgenus *Arctica*. Rhodora 90:245-275.

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*A. fulgens*]

Wolf, S.J. & K.E. Denford. 1984. Taxonomy of *Arnica* (Compositae) subgenus *Astromontana*. Rhodora 86:239-309.

Worthington, R. 2005. Plant distribution reports (*Arnica latifolia, Carex bebbii, Carex capitata, Carex garberi*). The New Mexico Botanist 32:7.

chamissonis Lessing subsp. ***foliosa*** (Nuttall) Maguire [M&H; W&S]
leafy arnica
Arnica foliosa Nuttall

cordifolia Hooker [M&H; W&S]
heart-leaf arnica

foliosa Nuttall = Arnica chamissonis Lessing subsp. foliosa (Nuttall) Maguire

fulgens Pursh [Heil et al. 2002]
shining arnica

latifolia Bongard [Worthington 2005]
daffodil arnica

Artemisia sagebrush, wormwood

Beetle, A.A. 1960. A study of sagebrush: the section *Tridentatae* of *Artemisia*. Univ. Wyoming Agr. Exp. Sta. Bull. 368.

Keck, D.D. 1946. A revision of the *Artemisia vulgaris* complex in North America. Proc. Calif. Acad. Sci. IV. 25:421-468.

McArthur, E.D. & S.C. Sanderson. 1999. Cytogeography and chromosome evolution of subgenus *Tridentatae* of *Artemisia* (Asteraceae). Amer. J. Bot. 86(12):1754-1775.

Shultz, L.M. 1986. Taxonomic and geographic limits of *Artemisia* subgenus *Tridentatae* (Beetle) McArthur (Asteraceae: Anthemideae). pp. 20-28. IN: McArthur, E.D. & B.L. Welch. Proceedings--Symposium on the Biology of *Artemisia* and *Chrysothamnus*. U.S. For. Serv. Gen. Tech. Rep. INT-200.

Schultz, L.M. 2006. *Artemisia*, p. 503-534. IN: Flora of North America, vol. 19. Oxford University Press, New York.

Sivinski, R. 2001. New plant distribution records. The New Mexico Botanist 19:3. [*Artemisia pygmaea*]

Ward, G.H. 1953. *Artemisia*, section *Seriphidium*, in North America: A cytotaxonomic study. Contr. Dudley Herb. 4(6):155-205.

albula Wooton = Artemisia ludoviciana Nuttall subsp. albula (Wooton) Keck

arbuscula sensu M&H and W&S = Artemisia tridentata Nuttall

arbuscula Nuttall subsp. *nova* (A. Nelson) G.H. Ward = Artemisia nova A. Nelson

****biennis*** Willdenow [M&H; W&S]
biennial wormwood

bigelovii Gray [M&H; W&S]
Bigelow's sagebrush
Artemisia petrophila Wooton & Standley
Seriphidium bigelovii (Gray) K. Bremer & Humphries

campestris Linnaeus subsp. ***caudata*** (Michaux) Hall & Clements [M&H; W&S]
field wormwood
Artemisia campestris Linnaeus var. *caudata* (Michaux) Palmer & Steyermark
Artemisia caudata Michaux
Artemisia forwoodii S. Watson

campestris Linnaeus var. *caudata* (Michaux) Palmer & Steyermark = Artemisia campestris Linnaeus subsp. caudata (Michaux) Hall & Clements

campestris Linnaues subsp. ***pacifica*** (Nuttall) Hall & Clements [M&H; W&S]

field wormwood

Artemisia campestris Linnaeus var. *pacifica* (Nuttall) Peck

Artemisia campestris Linnaeus var. *scouleriana* (Besser) Cronquist

Artemisia pacifica Nuttall

Artemisia scouleriana (Besser) Rydberg

campestris Linnaeus var. *pacifica* (Nuttall) Peck = Artemisia campestris Linnaeus subsp. pacifica (Nuttall) Hall & Clements

campestris Linnaeus var. *scouleriana* (Besser) Cronquist = Artemisia campestris Linnaeus subsp. pacifica (Nuttall) Hall & Clements

cana Pursh var. *viscidula* Osterhout = Artemisia cana Pursh subsp. viscidula (Osterhout) Beetle

cana Pursh subsp. ***viscidula*** (Osterhout) Beetle [M&H; Schulz 2006; W&S]

silver sagebrush

Artemisia cana Pursh var. *viscidula* Osterhout

carruthii Wood ex Carruth [M&H; W&S]

Carruth's sagebrush

Artemisia carruthii Wood var. *wrightii* (Gray) Blake

Artemisia kansana Britton

Artemisia wrightii Gray

carruthii Wood var. *wrightii* (Gray) Blake = Artemisia carruthii Wood ex Carruth

caudata Michaux = Artemisia campestris Linnaeus subsp. caudata (Michaux) Hall & Clements

dracunculina S. Watson = Artemisia dracunculus Linnaeus

dracunculoides Pursh = Artemisia dracunculus Linnaeus

dracunculoides Pursh var. *dracunculina* (S. Watson) Blake = Artemisia dracunculus Linnaeus

dracunculus Linnaeus [M&H; W&S]

tarragon, dragon wormwood

Artemisia dracunculina S. Watson

Artemisia dracunculoides Pursh

Artemisia dracunculoides Pursh var. *dracunculina* (S. Watson) Blake

Artemisia glauca Pallas ex Willdenow

filifolia Torrey [M&H; W&S]

sand sage

forwoodii S. Watson = Artemisia campestris Linnaeus subsp. caudata (Michaux) Hall & Clements

franserioides Greene [M&H; W&S]

ragweed wormwood

frigida Willdenow [M&H; W&S]

estafiata, fringed sage

glauca Pallas ex Willdenow = Artemisia dracunculus Linnaeus

gnaphaloides Nuttall = Artemisia ludoviciana Nuttall subsp. ludoviciana

kansana Britton = Artemisia carruthii Wood

laciniata Willdenow subsp. ***parryi*** (Gray) W.A. Weber [M&H]

Parry's wormwood

Artemisia parryi Gray

Artemisia saxicola (Besser) Rydberg var. *parryi* (Gray) A. Nelson

ludoviciana Nuttall subsp. ***albula*** (Wooton) Keck [M&H; W&S]

New Mexico wormwood

Artemisia albula Wooton

Artemisia microcephala Wooton

ludoviciana Nuttall subsp. ***ludoviciana*** [M&H; W&S]

Louisiana wormwood

Artemisia gnaphaloides Nuttall

Artemisia rhizomata A. Nelson

Artemisia silvicola Osterhout

ludoviciana Nuttall subsp. ***mexicana*** (Willdenow ex Sprengel) Keck [M&H; W&S]

Mexican wormwood

Artemisia mexicana Willdenow

Artemisia neomexicana Greene

Artemisia redolens Gray

ludoviciana Nuttall subsp. *redolens* (Gray) Keck = Artemisia ludoviciana Nuttall subsp. mexicana (Willdenow) Keck

ludoviciana Nuttall subsp. sulcata (Rydberg) Keck : Reported as expected by M&H; to be looked for in the boot heel region; awaiting verification.

mexicana Willdenow = Artemisia ludoviciana Nuttall subsp. mexicana (Willdenow) Keck

microcephala Wooton = Artemisia ludoviciana Nuttall subsp. albula (Wooton) Keck

neomexicana Greene = Artemisia ludoviciana Nuttall subsp. mexicana (Willdenow) Keck

nova A. Nelson [M&H; W&S]

black sagebrush

Artemisia arbuscula Nuttall subsp. *nova* (A. Nelson) G.H. Ward

Seriphidium novum (A. Nelson) W.A. Weber

pacifica Nuttall = Artemisia campestris Linnaeus subsp. pacifica (Nuttall) Hall & Clements

parryi Gray = Artemisia laciniata Willdenow subsp. parryi (Gray) W.A. Weber

pattersonii Gray [M&H]

Patterson's wormwood

petrophila Wooton & Standley = Artemisia bigelovii Gray

pygmaea A. Gray [Sivinski et al. 1995, 2001]

pygmy sagebrush

Seriphidium pygmaeum (A. Gray) W.A. Weber

redolens Gray = Artemisia ludoviciana Nuttall subsp. mexicana (Willdenow) Keck

rhizomata A. Nelson = Artemisia ludoviciana Nuttall subsp. ludoviciana

scopulorum Gray [M&H; W&S]

alpine wormwood

saxicola (Besser) Rydberg var. *parryi* (Gray) A. Nelson = Artemisia laciniata Willdenow subsp. parryi (Gray) W.A. Weber

scouleriana (Besser) Rydberg = Artemisia campestris Linnaeus subsp. pacifica (Nuttall) Hall & Clements

silvicola Osterhout = Artemisia ludoviciana Nuttall subsp. ludoviciana

spinescens D.C. Eaton [M&H; W&S]

budsage

Picrothamnus desertorum Nuttall

tridentata Nuttall subsp. ***tridentata*** [M&H; W&S]

big sagebrush

Seriphidium tridentatum (Nuttall) W.A. Weber

tridentata Nuttall subsp. ***vaseyana*** (Rydberg) Beetle [Shultz 1986]

mountain sagebrush

Artemisia vaseyana Rydberg

Seriphidium vaseyanum (Rydberg) W.A. Weber

tridentata Nuttall subsp. ***wyomingensis*** Beetle & A.M. Young [McArthur & Sanderson 1999]

Wyoming sagebrush

Seriphidium tidentatum (Nuttall) W.A. Weber subsp. *wyomingense* (Beetle & A.M. Young) W.A. Weber

vaseyana Rydberg = Artemisia tridentata Nuttall subsp. vaseyana (Rydberg) Beetle

wrightii Gray = Artemisia carruthii Wood

Asanthus brickelbush

squamulosus (Gray) R.M. King & H.E. Robinson [M&H]

mule mountain brickelbush

Brickellia squamulosa Gray

Coleosanthus squamulosus (Gray) Kuntze

Aster ascendens Lindley = Symphyotrichum ascendens (Lindley) Nesom

amplifolius = Dieteria asteroides Torrey var. asteroides

apricus (Gray) Rydberg = Symphyotrichum foliaceum (A.P. de Candolle) Nesom var. apricum (A. Gray) Nesom

aquifolius (Greene) Blake = Dieteria bigelovii (Gray) Morgan & Hartman var. bigelovii

arenosus (Heller) Blake = Chaetopappa ericoides (Torrey) Nesom

bigelovii Gray = Dieteria bigelovii (Gray) Morgan & Hartman var. bigelovii

blepharophyllus A. Gray = Arida blepharophylla (Gray) Morgan & Hartman

boltoniae Greene = Psilactis asteroides A. Gray

campestris Nuttall = Symphyotrichum campestre (Nuttall) G.L. Nesom

canbyi (A. Gray) Vasey = Symphyotrichum foliaceum (A.P. de Candolle) Nesom var. canbyi (A. Gray) Nesom

canescens Pursh s.s. [=Dieteria canescens (Pursh) Nuttall] : Not known from NM according to Turner (1987).

canescens Pursh var. *tephrodes* Gray = Dieteria asteroides Torrey var. asteroides

chilensis Nees subsp. ascendens (Lindley) Cronquist = Symphyotrichum ascendens (Lindley) Nesom

coerulescens A.P. de Candolle var. *wootonii* (Greene) Wiegand = Symphyotrichum lanceolatum (Willdenow) Nesom var. hesperium (A. Gray) Nesom

commutatus (Torrey & Gray) Gray var. *commutatus* = Symphyotrichum falcatum (Lindley) Nesom var. commutatum Torrey Gray) Nesom

commutatus (Torrey & Gray) Gray var. *crassulus* (Rydberg) Blake = Symphyotrichum falcatum (Lindley) Neson var. commutatum (Torrey & Gray) Nesom

commutatus (Torrey & Gray) Gray var. *polycephalus* Blake, non Aster polycephalus Rydberg = Symphyotrichum falcatum (Lindley) Nesom var. commutatum (Torrey & Gray) Nesom

corymbiformis Rydberg = Symphyotrichum spathulatum (Lindley) Nesom var. spathulatum

crassulus Rydberg = Symphyotrichum falcatum (Lindley) Neson var. commutatum (Torrey & Gray) Nesom

ericoides Linnaeus = Symphyotrichum ericoides (Linnaeus) Nesom var. ericoides

exilis of NM authors = Symphyotrichum subulatum (Michaux) Nesom var. ligulatum (Shinners) S.D. Sundberg, or Symphyotrichum subulatum (Michaux) Nesom var. parviflorum (Nees) S.D. Sundberg

falcatus Lindley = Symphyotrichum falcatum (Lindley) Nesom var. falcatum

falcatus Lindley var. *crassulus* (Rydberg) Cronquist = Symphyotrichum falcatum (Lindley) Nesom var. crassulum (Rydberg) Cronquist

fendleri Gray = Symphyotrichum fendleri (A. Gray) Nesom

foliaceus Lindley ex A.P. de Candolle var. *apricus* A. Gray = Symphyotrichum foliaceum (Lindley ex A.P. de Candolle) Nesom var. apricum (A. Gray) Nesom

foliaceus Lindley ex A.P. de Candolle var. *burkei* A. Gray = Symphyotrichum foliaceum (Lindley ex A.P. de Candolle) Nesom var. canbyi (A. Gray) Nesom

foliaceus Lindley ex A.P. de Candolle var. *canbyi* A. Gray = Symphyotrichum foliaceum (Lindley ex A.P. de Candolle) Nesom var. canbyi (A. Gray) Nesom
foliaceus Lindley ex A.P. de Candolle var. *frondeus* A. Gray = Symphyotrichum foliaceum (Lindley ex A.P. de Candolle) Nesom var. parryi (D.C. Eaton) Nesom
foliaceus Lindley ex A.P. de Candolle var. *parryi* (D.C. Eaton) A. Gray = Symphyotrichum foliaceum (Lindley ex A.P. de Candolle) Nesom var. parryi (D.C. Eaton) Nesom
fremontii (Torrey & Gray) Gray = Symphyotrichum spathulatum (Lindley) Nesom var. spathulatum
frondeus (Gray) Greene = Symphyotrichum foliaceum (Lindley ex A.P. de Candolle) Nesom var. parryi (D.C. Eaton) Nesom
frondosus (Nuttall) Torrey & Gray = Symphyotrichum frondosum (Nuttall) Nesom
glaucodes Blake var. *formosus* (Greene) Kittell = Eurybia glauca (Nuttall) Nesom
glaucodes Blake var. *glaucodes* = Eurybia glauca (Nuttall) Nesom
glaucus (Nuttall) Torrey & Gray = Herrickia glauca (Nuttall) Brouillet
gymnocephalus auct. non (A.P. de Candolle) Gray = Xanthisma blephariphyllum (Gray) Morgan & Hartman
hebecladus A.P. de Candolle = Symphyotrichum ericoides (Linnaeus) Nesom var. ericoides
hesperius Gray var. *hesperius* = Symphyotrichum lanceolatum (Willdenow) Nesom var. hesperium (A. Gray) Nesom
hesperius Gray var. *laetivirens* (Greene) Cronquist = Symphyotrichum lanceolatum (Willdenow) Nesom var. hesperium (A. Gray) Nesom
hesperius Gray var. *wootonii* Greene = Symphyotrichum lanceolatum (Willdenow) Nesom var. hesperium (A. Gray) Nesom
hirtifolius Blake = Chaetopappa ericoides (Torrey) Nesom
horridus (Wooton & Standley) Blake = Herrickia horrida Wooton & Standley
hydrophilus Greene = Almutaster pauciflorus (Nuttall) Löve & Löve
jemensis A. Nelson = Symphyotrichum fendleri (A. Gray) Nesom
kumleinii Fries = Symphyotrichum oblongifolium (Nuttall) Nesom
laevis Linnaeus var. *geyeri* Gray = Symphyotrichum laeve (Linnaeus) Löve & Löve var. geyeri (A. Gray) Nesom
laevis Linnaeus var. *guadalupensis* A.G. Jones = Symphyotrichum laeve (Linnaeus) Löve & Löve var. geyeri (A. Gray) Nesom
laetivirens Greene = Symphyotrichum lanceolatum (Willdenow) Nesom var. hesperium (A. Gray) Nesom
leucelene Blake = Chaetopappa ericoides (Torrey) Nesom
linearis (Greene) Cory = Dieteria canescens (Pursh) Nuttall var. glabra (Gray) Morgan & Hartman
lonchophyllus Greene = Symphyotrichum eatonii (Gray) Nesom
multiflorus Aiton = Symphyotrichum ericoides (Linnaeus) Nesom var. ericoides
multiflorus Aiton var. *commutatus* Torrey & Gray = Symphyotrichum falcatum (Lindley) Nesom var. commutatum (Torrey & Gray) Nesom
neomexicanus Wooton & Standley = Symphyotrichum subulatum (Michaux) Nesom var. ligulatum (Shinners) S.D. Sundberg
novae-angliae Linnaeus = Symphyotrichum novae-angliae (Linnaeus) Nesom
oblongifolius Nuttall = Symphyotrichum oblongifolium (Nuttall) Nesom
oblongifolius Nuttall var. *rigidus* Gray = Symphyotrichum oblongifolium (Nuttall) Nesom
occidentalis (Nuttall) Torrey & Gray = Symphyotrichum spathulatum (Lindley) Nesom var. spathulatum
oregonus auct. non (Nuttall) Torrey & Gray = Symphyotrichum eatonii (Gray) Nesom
parvulus Blake = Arida parviflora (Gray) Morgan & Hartman
pauciflorus Nuttall = Almutaster pauciflorus (Nuttall) Löve & Löve
pauciflorus Nuttall var. *gracillimus* Gray = Almutaster pauciflorus (Nuttall) Löve & Löve
porteri Gray = Symphyotrichum porteri (A. Gray) Nesom
praealtus Poiret = Symphyotrichum praealtum (Poiret) Nesom
riparia of NM reports = Arida riparia (Kunth) Morgan & Hartman
rubrotinctus Blake = Dieteria canescens (Pursh) Nuttall
salicifolius Aiton = Symphyotrichum praealtum (Poiret) Nesom
sericeus Ventenat = Symphyotrichum sericeum (Ventenat) Nesom
spinosus Bentham = Chloracantha spinosa (Bentham) Nesom
subulatus Michaux = Symphyotrichum subulatum (Michaux) Nesom s.s.
subulatus Michaux var. *cubensis* Shinners = Symphyotrichum subulatum (Michaux) Nesom var. parviflorum (Nees) S.D. Sundberg
subulatus Michaux var. *ligulatus* Shinners = Symphyotrichum subulatum (Michaux) Nesom var. ligulatum (Shinners) S.D. Sundberg
subulatus Michaux =Symphyotrichum subulatum (Michaux) Nesom
tagetinus (Greene) Blake = Machaeranthera tagetina Greene
tanacetifolius Humboldt, Bonpland, & Kunth = Machaeranthera tanacetifolia (Humboldt, Bonpland, & Kunth) Nees
tanacetifolius Humboldt, Bonpland, & Kunth var. *pygmaeus* Gray = Arida parviflora (Gray) Morgan & Hartman
tephrodes (Gray) Blake = Dieteria asteroides Torrey var. asteroides
vallicola Greene = Symphyotrichum ascendens (Lindley) Nesom
woodhousei Wooton = Symphyotrichum frondosum (Nuttall) Nesom
wootonii Greene = Symphyotrichum lanceolatum (Willdenow) Nesom var. hesperium (A. Gray) Nesom

Baccharis seep-willow

Cronquist, A. 1994. *Baccharis*, pp. 352-356. IN: Intermountain Flora, vol. 5. New York Botanical Garden.
Sundberg, S.D. & D.J. Bogler. 2006. *Baccharis*, p. 23-34. IN: Flora of North America, vol. 20. Oxford University Press, New York.

bigelovii Gray [M&H; W&S]
Bigelow's seep-willow

brachyphylla Gray [M&H]
short-leaf seep willow

emoryi Gray = Baccharis salicina Torrey & Gray
glutinosa Persoon = Baccharis salicifolia (Ruiz & Pavon) Persoon

havardii Gray [McIntosh 1996]
Havard's seep-willow

neglecta Britton s.s. : Restricted to Edwards Plateau and Mexico; earlier reports for NM need verification.

pilularis A.P. de Candolle subsp. ***consanguinea*** (A.P. de Candoll) C.B. Wolf [M&H]
coyotebrush
pteronioides A.P. de Candolle [M&H; W&S]
yerba-de-pasmo
Baccharis ramulosa (A.P. de Candolle) Gray
ramulosa (A.P. de Candolle) Gray = Baccharis pteronioides A.P. de Candolle
salicifolia (Ruiz & Pavon) Persoon
willow baccharis, mule's fat
Baccharis glutinosa Persoon
Baccharis viminea A.P. de Candolle
salicina Torrey & Gray [M&H; W&S]
great plains seep-willow
Baccharis emoryi Gray
sarothroides Gray [M&H; W&S]
broom seep-willow, rosinbush
texana (Torrey & Gray) Gray [Sundberg & Bogler 2006]
Texas seep-willow
Aplopappus linearifolius Buckley
Linosyris texana Torrey & Gray
thesioides Humboldt, Bonpland, & Kunth [M&H]
Arizona seep-willow
viminea A.P. de Candolle = Baccharis salicifolia (Ruiz & Pavon) Persoon
wrightii Gray [M&H; W&S]
Wright's seep-willow
Coleosanthus wrightii (Gray) Britton
Baeria chrysostoma Fischer & C.A. Meyer var. *gracilis* (A.P. de Candolle) Hall = Lasthenia gracilis (A.P. de Candoll) Greene
gracilis (A.P. de Candolle) Gray = Lasthenia gracilis (A.P. de Candoll) Greene

Bahia bahia

Ellison, W.L. 1964. A systematic study of the genus Bahia (Compositae). Rhodora 66:67-86, 177-215, 281-311.

absinthifolia Bentham [M&H; W&S]
hairy-seed bahia
Bahia absinthifolia Bentham var. *dealbata* Gray
Bahia dealbata Gray
Picradeniopsis dealbata (Gray) Wooton & Standley
absinthifolia Bentham var. *dealbata* Gray = Bahia absinthifolia Bentham
biternata Gray [M&H; W&S]
slim-lobe bahia
Villanova biternata (Gray) Wooton & Standley
dealbata Gray = Bahia absinthifolia Bentham var. dealbata Gray
dissecta (Gray) Britton = Amauriopsis dissecta (Gray) Rydberg
neomexicana Gray = Schkuhria multiflora Hooker & Arnott
nudicaulis Gray var. *oblongifolia* (Gray) Cronquist = Platyschkuhria integrifolia (Gray) Rydberg var. oblongifolia (Gray) Ellison
oblongifolia Gray = Platyschkuhria integrifolia (Gray) Rydberg var. oblongifolia (Gray) Ellison
oppositifolia (Nuttall) Gray = Picradeniopsis oppositifolia (Nuttall) Rydberg
pedata Gray [M&H]
blunt-scale bahia
Eriophyllum pedatum (Gray) Kuntze
woodhousei (Gray) Gray = Picradeniopsis woodhousei (Gray) Rydberg

Baileya desert marigold

Turner, M.W. 1993. Systematic study of the genus *Baileya* (Asteraceae: Helenieae). Sida 15(3):491-508.

multiradiata Harvey & Gray ex Gray [M&H; W&S]
desert marigold
Baileya multiradiata Harvey & Gray ex Gray var. *nudicaulis* Gray
Baileya multiradiata Harvey & Gray ex Gray var. *thurberi* (Rydberg) Kittell
Baileya pleniradiata Harvey & Gray ex Gray var. *multiradiata* (Harvey & Gray ex Gray) Kearney
Baileya thurberi Rydberg
multiradiata Harvey & Gray ex Gray var. *nudicaulis* Gray = Baileya multiradiata Harvey & Gray
multiradiata Harvey & Gray ex Gray var. pleniradiata (Harvey & Gray ex Gray) Coville [=Baileya pleniradiata] : Reported by M&H, but M. Turner (1993) does not report this from NM.
multiradiata Harvey & Gray ex Gray var. *thurberi* (Rydberg) Kittell = Baileya multiradiata Harvey & Gray
pleniradiata Harvey & Gray ex Gray : Not known to occur in NM.
pleniradiata Harvey & Gray ex Gray var. *multiradiata* (Harvey & Gray ex Gray) Kearney = Baileya multiradiata Harvey & Gray ex Gray
thurberi Rydberg = Baileya multiradiata Harvey & Gray

Barkleyanthus Barkley's groundsel

salicifolius (Kunth) H. Robinson & Brettell [M&H; Todsen 1973]
Barkley's groundsel
Senecio salignus A.P. de Candolle

Bartlettia Bartlett's daisy

scaposa Gray [M&H; W&S]

Bartlett's daisy

Bebbia sweetbush

Whalen, M. 1977. Taxonomy of *Bebbia* (Compositae: Heliantheae). Madroño 24:112-121.

aspera (Greene) A. Nelson = Bebbia juncea (Bentham) Greene var. aspera Greene

juncea (Bentham) Greene var. ***aspera*** Greene [M&H; W&S]

sweetbush

Bebbia aspera (Greene) A. Nelson

Berlandiera greeneyes

Pinkava, D.J. 1967. Biosystematic study of *Berlandiera* (Compositae). Brittonia 19:285-298.

Pinkava, D.J. 2006. *Berlandiera*, pp. 83-87. IN: Flora of North America, vol. 21. Oxford University Press.

Turner, B.L. 1956. Chromosome numbers and geographic distribution of *Lindheimera, Engelmannia*, and *Berlandiera*. Southwestern Naturalist 1:128-131.

incisa Torrey & Gray = Berlandiera lyrata Bentham

lyrata Bentham [M&H; W&S]

Lyre-leaf greeneyes, chocolate-flower

Berlandiera incisa Torrey & Gray

lyrata Bentham var. *macrophylla* Gray = Berlandiera ×*macrophylla* (Gray) M.E. Jones

×*macrophylla* (Gray) M.E. Jones = hybrids between Berlandiera lyrata Bentham and Berlandiera monocephala (B.L. Turner) Pinkava

Berlandiera lyrata Bentham var. *macrophylla* Gray

texana A.P. de Candolle [M&H]

Texas greeneyes

Berthelotia sericea (Nuttall) Rydberg = Pluchea sericea (Nuttall) Coville

Bidens beggerticks

Ballard, R. 1986. *Bidens pilosa* complex (Asteraceae) in North and Central America. Amer. J. Bot. 73:1452-1465.

Sherff, E.E. 1955. Coreopsidinae. North American Flora II(2):1-149.

Strother, J.L. & R.R. Weedon. 2006. *Bidens*, pp. 205-218. IN: Flora of North America, vol. 21. Oxford University Press. [*Bidens polylepis, vulgata*]

anthriscoides A.P. de Candolle : Reported by W&S, not treated by M&H; needs verification.

bigelovii Gray [M&H; W&S]

Bigelow's beggerticks

bipinnata Linnaeus [M&H]

Spanish needles

Bidens bipinnata Linnaeus var. *biternatoides* Sherff

bipinnata Linnaeus var. *biternatoides* Sherff = Bidens bipinnata Linnaeus

cernua Linnaeus [M&H]

nodding beggarticks

Bidens glaucescens Greene

Bidens prionophylla Greene

cognata Greene = Bidens tenuisecta Gray

comosa (Gray) Wiegand = Bidens tripartita Linnaeus

frondosa Linnaeus [M&H; W&S]

devil's pitchfork

glaucescens Greene = Bidens cernua Linnaeus

heterosperma Gray [M&H; W&S]

Rocky Mountain beggarticks

laevis (Linnaeus) Britton, Sterns, & Poggenburg [M&H]

smooth beggarticks

lemmonii Gray [M&H; Wagner 1979]

Lemmon's beggarticks

leptocephala Sherff [M&H]

slim beggarticks

megapotamicum Sprengel = Thelesperma megapotamicum (Sprengel) Kuntze

odorata Cavanilles = Bidens pilosa Linnaeus

pilosa Linnaeus [Ballard 1986; M&H]

fragrant beggerticks

Bidens odorata Cavanilles

Bidens pilosa Linnaeus var. *radiata* (Schultz-Bipontinus) Schultz-Bipontinus

pilosa Linnaeus var. *radiata* (Schultz-Bipontinus) Schultz-Bipontinus = Bidens pilosa Linnaeus

polylepis Blake [Strother & Weedon]

beggarticks

prionophylla Greene = Bidens cernua Linnaeus

tenuisecta Gray [M&H; W&S]

slim-lobe beggarticks

Bidens cognata Greene

tripartita Linnaeus [M&H]

beggarticks

Bidens comosa (Gray) Wiegand

vulgata Greene [Strother & Weedon]

common beggarticks

Bigelovia douglasii Gray var. *stenophylla* Gray = Chrysothamnus viscidiflorus (Hooker) Nuttall var. viscidiflorus

graveolens = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. graveolens (Nuttall) Reveal & Schuyler

graveolens (Nuttall) Gray var. *appendiculata* Eastwood = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. latisquamea (Gray) Nesom & Baird

graveolens (Nuttall) Gray var. *latisquamea* Gray = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. latisquamea (Gray) Nesom & Baird

greenei Gray = Chrysothamnus greenei (Gray) Greene

pluriflora Gray = Isocoma pluriflora (Torrey & Gray) Greene

pulchella Gray = Lorandersonia pulchella (Gray) Urbatsch, Roberts & Neubig

spathulata Gray = Ericameria cuneata (Gray) McClatchie var. spathulata (Gray) H.M. Hall

vaseyi Gray = Chrysothamnus vaseyi (Gray) Greene

Blepharipappus glandulosa Hooker = Layia glandulosa (Hooker) Hooker & Arnott

Boebera papposa (Ventenat) Rydberg = Dyssodia papposa (Ventenat) Hitchcock

Brachyactis frondosus (Nuttall) Gray = Symphyotrichum frondosum (Nuttall) Nesom

woodhousei (Wooton) Wooton & Standley = Symphyotrichum frondosum (Nuttall) Nesom

Brachyris microcephala A.P. de Candolle = Gutierrezia microcephala (A.P. de Candolle) Gray

Brauneria angustifolia (A.P. de Candolle) Heller = Echinacea angustifolia A.P. de Candolle

Brickellia brickellbush

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Brickellia parvula*]

Cockman, J. 1996. New plant distribution records (*Brickellia veronicifolia*). The New Mexico Botanist 3:6.

Cronquist, A. 1994. *Kuhnia*, pp. 384. IN: Intermountain Flora, vol. 5. New York Botanical Garden.

Scott, R.W. 2006. *Brickellia*, pp. 491-507. IN: Flora of North America, vol. 21. Oxford University Press, New York. [*Brickellia lemmonii conduplicata*]

Shinners, L.H. 1946. Revision of the genus *Kuhnia*. Wrightia 1:122-144.

Shinners, L.H. 1971. *Kuhnia* transferred to *Brickellia* Ell. (Compositae). Sida 4:274.

Turner, B.L. 1989. An overview of the *Brickellia* (*Kuhnia*) *eupatorioides* (Asteraceae, Eupatorieae) complex. Phytologia 67(2):121-131.

Turner, B.L. 1990. An overview of the *Brickellia lemmonii* (Asteraceae: Eupatorieae) complex (including *B. conduplicata*). Phytologia 68(3):160-164.

amplexicaulis B. Robinson [Spellenberg et al. 1993]

ear-leaf brickellbush

baccharidea Gray [M&H; W&S]

resin-leaf brickellbush

Coleosanthus baccharideus (Gray) Kuntze

betonicifolia Gray [M&H; W&S]

betony-leaf brickellbush

Coleosanthus betonicifolius (Gray) Kuntze

betonicifolia Gray var. *conduplicata* B.L. Robinson = Brickellia lemmonii Gray var. conduplicata (B.L. Robinson) B.L. Turner

brachiata Gray = Brickellia coulteri Gray var. brachiata (Gray) B.L. Turner

brachyphylla Gray [M&H; W&S]

plumed brickellbush

Coleosanthus brachyphyllus (Gray) Kuntze

californica (Torrey & Gray) Gray [M&H]

California brickellbush

Brickellia californica (Torrey & Gray) Gray var. *reniformis* (Gray) Torrey & Gray

Bulbostylis californica Torrey & Gray

Coleosanthus axillaris Greene

Coleosanthus melissaefolius Greene

Coleosanthus reniformis (Gray) Rydberg

californica (Torrey & Gray) Gray var. *reniformis* (Gray) Torrey & Gray = Brickellia californica (Torrey & Gray) Gray

+***chenopodina*** (Greene) Robinson [M&H; W&S]

chenopod brickellbush

Coleosanthus chenopodinus Greene

chlorolepis (Wooton & Standley) Shinners = Brickellia eupatorioides (Linnaeus) Shinners var. chlorolepis (Wooton & Standley) B. Turner

coulteri Gray var. ***brachiata*** (Gray) B.L. Turner [Spellenberg et al. 1993]

Coulter's brickellbush

Brickellia brachiata Gray

eupatorioides (Linnaeus) Shinners var. ***chlorolepis*** (Wooton & Standley) B. Turner [M&H; W&S]

false boneset

Brickellia chlorolepis (Wooton & Standley) Shinners

Kuhnia chlorolepis Wooton & Standley

Kuhnia rosmarinifolia Ventenat var. *chlorolepis* (Wooton & Standley) Blake

Kuhnia eupatorioides Linnaeus var. *chlorolepis* (Wooton & Standley) Cronquist

eupatorioides (Linnaeus) Shinners var. ***corymbulosa*** (Torrey & Gray) Shinners [Turner 1989]

false boneset

Kuhnia eupatorioides Linnaeus var. *corymbulosa* Torrey & Gray

fendleri Gray = Brickelliastrum fendleri (Gray) King & H.E. Robinson

floribunda Gray [M&H; W&S]

Chihuahuan brickellbush
Colesosanthus floribundus (Gray) Kuntze
grandiflora (Hooker) Nuttall [M&H; W&S]
tassel-flower brickellbush
Brickellia grandiflora (Hooker) Nuttall var. *petiolaris* Gray
Coleosanthus grandiflorus (Hooker) Kuntze
Coleosanthus petiolaris (Gray) Greene
Coleosanthus umbellatus Greene
grandiflora (Hooker) Nuttall var. *petiolaris* Gray = Brickellia grandiflora (Hooker) Nuttall
laciniata Gray [M&H; W&S]
cut-leaf brickellbush
Coleosanthus laciniatus (Gray) Kuntze
lemmonii Gray var. ***conduplicata*** (B.L. Robinson) B.L. Turner [Scott 2006]
Lemmon's brickellbush
Brickellia betonicifolia Gray var. *conduplicata* B.L. Robinson
lemmonii Gray var. ***lemmonii*** [M&H; W&S]
Lemmon's brickellbush
Brickellia lemmonii Gray var. *wootonii* (Greene) Robinson
Coleosanthus wootonii Greene
lemmonii Gray var. *wootonii* (Greene) Robinson = Brickellia lemmonii Gray var. lemmonii [Turner 1990]
linifolia D.C. Eaton = Brickellia oblongifolia Nuttall var. linifolia (D.C. Eaton) Robinson
microphylla (Nuttall) Gray var. ***scabra*** Gray [M&H; W&S]
little-leaf brickellbush
Brickellia scabra (Gray) A. Nelson
Coleosanthus scaber Greene
oblongifolia Nuttall var. ***linifolia*** (D.C. Eaton) Robinson [M&H; W&S]
narrow-leaf brickellbush
Brickellia linifolia D.C. Eaton
Coleosanthus humilis Greene
Coleosanthus linifolius (D.C. Eaton) Kuntze
parvula Gray [Allred 1999]
Mt. Davis brickellbush
rusbyi Gray [M&H; W&S]
Rusby's brickellbush
Coleosanthus rusbyi (Gray) Kuntze
scabra (Gray) A. Nelson = Brickellia microphylla (Nuttall) Gray var. scabra Gray
simplex Gray [M&H]
Sonoran brickellbush
squamulosa Gray = Asanthus squamulosus (Gray) King & H.E. Robinson
venosa (Wooton & Standley) Robinson [M&H; W&S]
veiny brickellbush
Coleosanthus venosus Wooton & Standley
veronicifolia (Humboldt, Bonpland, & Kunth) Gray [Cockman 1996]
veronica-leaf brickellbush

Brickelliastrum brickellbush
fendleri (Gray) King & H.E. Robinson [M&H; W&S]
Fendler's brickellbush
Brickellia fendleri Gray
Coleosanthus ambigens Greene

Burrielia gracilis A.P. de Candolle = Baeria gracilis (A.P. de Candoll) Greene
Cacalia decomposita Gray = Psacalium decompositum (Gray) H.E. Robinson & Bretting
Calliopsis cardaminifolia A.P. de Candolle = Coreopsis tinctoria Nuttall

Calycoseris tackstem
wrightii Gray [M&H; W&S]
Wright's tackstem

Calyptocarpus straggler daisy
****vialis*** Lessing [Spellenberg et al. 1986]
straggler daisy

Carduus thistle
Carson National Forest, USDA Forest Service. 2000. New plant distribution records 15:7. [*Carduus acanthoides*]
Cronquist, A. 1994. *Carduus*, p. 388. IN: Intermountain Flora, vol. 5. New York Botanical Garden.
****acanthoides*** Linnaeus [Carson National Forest 2000]
spiny thistle
acaulescens (Gray) Rydberg = Cirsium scariosum Nuttall var. americanum (Gray) Keil
arizonicus (Gray) Greene = Cirsium arizonicum (Gray) Petrak var. arizonicum
bipinnatus (Eastwood) Heller = Cirsium arizonicum (Gray) Petrak var. bipinnatum (Eastwood) Keil

drummondii (Torrey & Gray) Coville s.s. [=Cirsium drummondii Torrey & Gray] : Not occurring in NM [Keil 2006]
drummondii (Torrey & Gray) Coville var. *acaulescens* (Gray) Coville = Cirsium scariosum Nuttall var. americanum (Gray) Keil
gilensis Wooton & Standley = Cirsium parryi (Gray) Petrak
grahamii (Gray) Greene = Cirsium grahamii Gray
inornatus Wooton & Standley = Cirsium parryi (Gray) Petrak
marianus Linnaeus = Silybum marianum (Linnaeus) Gaertner
megacephalus (Gray) A. Nelson = Cirsium undulatum (Nuttall) Sprengel
neomexicanus (Gray) Greene = Cirsium neomexicanum Gray
***nutans** Linnaeus [M&H]
musk thistle, nodding thistle
Carduus thoermeri Weinmann
ochrocentrus (Gray) Greene = Cirsium ochrocentrum Gray
pallidus Wooton & Standley = Cirsium parryi (Gray) Petrak
parryi (Gray) Greene = Cirsium parryi (Gray) Petrak
pulchellus Greene = Cirsium arizonicum (Gray) Petrak var. bipinnatum (Eastwood) Keil
thoermeri Weinmann = Carduus nutans Linnaeus
tracyi Rydberg = Cirsium tracyi (Rydberg) Petrak
undulatus Nuttall = Cirsium undulatum (Nuttall) Sprengel
undulatus Nuttall var. canescens (Nuttall) Porter [=Cirsium canescens Nuttall] : Excluded from NM by Keil (2006); awaits verification
vinaceus Wooton & Standley = Cirsium vinaceum (Wooton & Standley) Wooton & Standley
vulgaris Savi = Cirsium vulgare (Savi) Tenore
wrightii (Gray) Heller = Cirsium wrightii Gray

Carminatia plumeweed
tenuiflora A.P. de Candolle [M&H; W&S]
plumeweed

Carphochaete bristlehead
bigelovii Gray [M&H; W&S]
Bigelow's bristlehead

Carthamus safflower
***tinctorius** Linnaeus [M&H]
safflower

Centaurea knapweed
Allred, K.W. & R. Lee. 1999. Knapweeds, starthistles, and basketflowers of New Mexico. The New Mexico Botanist 10:1-4.
Keil, D.J. & J. Ochsmann. 2006. *Centaurea*, p. 181-194. IN: Flora of North America, vol. 19. Oxford University Press, New York.
americana Nuttall = Plectocephalus americanus (Nuttall) D. Don
biebersteinii A.P. de Candolle = Centaurea stoebe Linnaeus subsp. micranthos (S.G. Gmelin ex Gugler) Hayek
***calcitrapa** Linnaeus [Allred & Lee 1999; M&H]
purple starthistle
***cyanus** Linnaeus [Allred & Lee 1999]
cornflower, bachelor's buttons
***diffusa** Lamarck [Allred & Lee 1999]
diffuse knapweed
maculosa Lamarck subsp. *micranthos* S.G. Gmelin ex Gugler = Centaurea stoebe Linnaeus subsp. micranthos (S.G. Gmelin ex Gugler) Hayek
***melitensis** Linnaeus [Allred & Lee 1999; M&H]
malta starthistle
picris Pallas ex Willdenow = Acroptilon repens (Linnaeus) A.P. de Candolle
repens Linnaeus = Acroptilon repens (Linnaeus) A.P. de Candolle
rothrockii Greenman = Plectocephalus rothrockii (Greenman) D.J.N. Hind
***solstitialis** Linnaeus [Allred & Lee 1999]
yellow starthistle
stoebe** Linnaeus subsp. ***micranthos (S.G. Gmelin ex Gugler) Hayek [Allred & Lee 1999; M&H]
spotted knapweed
Acosta maculosa of American authors
Centaurea maculosa Lamarck subsp. *micranthos* S.G. Gmelin ex Gugler

Cephalobembix neomexicana (Gray) Rydberg = Schkuhria multiflora Hooker& Arnott
Cephalophora scaposa A.P. de Candolle = Tetraneuris scaposa (A.P. de Candolle) Greene

Chaenactis pincushion
Worthington, R.D. 2001. New plant distribution records. The New Mexico Botanist 20:8. [*Chaenactis carphoclinia*]
carphoclinia Gray [Worthington 2001]
pebble pincushion
douglasii (Hooker) Hooker & Arnott [M&H; W&S]
dusty maiden
scaposa Eastwood = Chamaechaenactis scaposa (Eastwood) Rydberg
stevioides Hooker & Arnott [M&H; W&S]
desert pincushion

Chaetopappa aster

Nesom, G.L. 1988. Synopsis of *Chaetopappa* (Compositae- Astereae) with a new species and the inclusion of *Leucelene*. Phytologia 64(6):448-456.

Shinners, L.H. 1946. Revision of the genus *Chaetopappa* A.P. de Candolle Wrightia 1: 63-81.

elegans Soreng & Spellenberg = Ionactis elegans (Soreng & Spellenberg) Nesom

ericoides (Torrey) Nesom [M&H; W&S]

sand aster, heath aster

Aster arenosus (Heller) Blake

Aster hirtifolius Blake

Aster leucelene Blake

Leucelene arenosus Heller

Leucelene ericoides (Torrey) Greene

hersheyi Blake [Shinners 1946]

Hershey's daisy

Chamaechaenactis fullstem

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*C. scaposa*]

scaposa (Eastwood) Rydberg var. ***scaposa*** [Heil et al. 2002]

fullstem

Actinella carnosa A. Nelson

Chaenactis scaposa Eastwood

Chaptalia silverpuff

Nesom, G.L. 1995. Revision of *Chaptalia* (Asteraceae: Mutisieae) from North America and continental Central America. Phytologia 78:153-188.

alsophila Greene = Leibnitzia seemannii (Schultz-Bipontinus) Nesom

texana Greene [Nesom 1995]

silverpuff

Chloracantha devilweed

Nesom, G.L., Y. Suh, D.R. Morgan, S.D. Sundberg, & B.B. Simpson. 1991. *Chloracantha*, a new genus of North American Astereae (Asteraceae). Phytologia 70:371-380.

spinosa (Bentham) Nesom [M&H; W&S]

Mexican devilweed

Aster spinosus Bentham

Leucosyris spinosus (Bentham) Greene

Chrysactinia damianita

mexicana Gray [M&H; W&S]

damianita

Pectis taxifolia Greene

Chrysanthemum leucanthemum Linnaeus = Leucanthemum vulgare Lamarck

leucanthemum Linnaeus var. *pinnatifidum* Lecoq & Lamotte = Leucanthemum vulgare. Lamarck

Chrysoma laricifolia (Gray) Greene = Ericameria laricifolia (Gray) Shinners

Chrysopsis angustifolia Rydberg = Heterotheca stenophylla (A. Gray) Shinners var. angustifolia (Rydberg) Semple

berlandiera Greene = Heterotheca canescens (A.P. de Candolle) Shinners

canescens (A.P. de Candolle) Torrey & Gray = Heterotheca canescens (A.P. de Candolle) Shinners

cryptocephala Wooton & Standley = Heterotheca fulcrata (Greene) Shinners

foliosa Nuttall = Heterotheca villosa (Pursh) Shinners var. foliosa (Nuttall) Harms

fulcrata Greene = Heterotheca fulcrata (Greene) Shinners

hirsutissima Greene = Heterotheca villosa (Pursh) Shinners var. minor (Hooker) Semple

hispida (Hooker) A.P. de Candolle = Heterotheca villosa (Pursh) Shinners var. minor (Hooker) Semple

horrida Rydberg = Heterotheca villosa (Pursh) Shinners var. nana (A. Gray) Semple

nitidula Wooton & Standley = Heterotheca fulcrata (Greene) Shinners var. amplifolia (Rydberg) Semple

senilis Wooton & Standley = Heterotheca fulcrata (Greene) Shinners var senilis (Wooton & Standley) Semple

hispida (Hooker) A.P. de Candolle var. *stenophylla* A. Gray = Heterotheca stenophylla (A. Gray) Shinners

viscida (Gray) Greene = Heterotheca viscida (Gray) Harms

villosa (Pursh) Nuttall ex Hooker = Heterotheca villosa (Pursh) Shinners

villosa (Pursh) Nuttall ex Hooker var. *canescens* (A.P. de Candolle) Gray = Heterotheca canescens (A.P. de Candolle) Shinners

Chrysothamnus rabbitbrush

Anderson, L.C. 1995. The *Chrysothamnus-Ericameria* connection (Asteraceae). Great Basin Nat. 55(1):84-88.

Nesom, G.L. and G.I. Baird. 1993. Completion of *Ericameria* (Asteraceae: Astereae), diminution of Chrysothamnus. Phytologia 75(1):74-93.

Urbatsch, L.E., R.P. Roberts, & K.M. Neubig. 2006. *Chrysothamnus*, p. 187-193. IN: Flora of North America, vol. 20. Oxford University Press, New York.

appendiculatus (Eastwood) Heller = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. latisquamea (A. Gray) Nesom & Baird

baileyi Wooton & Standley = Lorandersonia baileyi (Wooton & Standley) Urbatsch, Roberts & Neubig

bakeri Greene = Chrysothamnus vaseyi (Gray) Greene

bigelovii (Gray) Greene = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. bigelovii (A. Gray) Nesom & Baird

confinis Greene = Chrysothamnus nauseosus (Pallas ex Pursh) Britton var. graveolens (Nuttall) Reveal & Schuyler

depressus Nuttall [Anderson 1986; M&H; W&S]

long-flower rabbitbrush

Ericameria depressa (Nuttall) L.C. Anderson

elatior Standley = Lorandersonia pulchella (Gray) Urbatsch, Roberts & Neubig

elegans Greene = Chrysothamnus viscidiflorus (Hooker) Nuttall var. lanceolatus (Nuttall) Greene

filifolius Rydberg = Chrysothamnus greenei (Gray) Greene

formosus Greene = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. speciosa (Nuttall) Nesom & Baird
glaucus A. Nelson = Chrysothamnus viscidiflorus (Hooker) Nuttall var. viscidiflorus
graveolens (Nuttall) Greene = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. graveolens (Nuttall) Reveal & Schuyler
greenei (Gray) Greene [Anderson 1986; M&H; W&S]
Greene's rabbitbrush
Bigelovia greenei Gray
C*hrysothamnus filifolius* Rydberg
Chrysothamnus greenei (Gray) Greene subsp. *filifolius* (Rydberg) Hall & Clements
Ericameria filifolia (Rydberg) L.C. Anderson
Ericameria greenei (Gray) Nesom
greenei (Gray) Greene subsp. *filifolius* (Rydberg) Hall & Clements = Chrysothamnus greenei (Gray) Greene
greenei (Gray) Greene subsp. *greenei* = Chrysothamnus greenei (Gray) Greene
howardii (Parry ex A. Gray) Greene = Ericameria parryi (A. Gray) Nesom & Baird var. howardii (Parry ex A. Gray) Nesom & Baird
latisquameus (Gray) Greene = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. latisquamea (A. Gray) Nesom & Baird
linifolius Greene = Lorandersonia linifolia (Greene) Urbatsch, Roberts & Neubig
nauseosus (Pallas ex Pursh) Britton subsp. *arenarius* Anderson = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. arenaria (L.C. Anderson) Nesom & Baird
nauseosus (Pallas ex Pursh) Britton subsp. *bigelovii* (Gray) Hall & Clements = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. bigelovii (A. Gray) Nesom & Baird
nauseosus (Pallas ex Pursh) Britton subsp. *consimilis* (Greene) Hall & Clements = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. oreophila (Greene) Nesom & Baird
nauseosus (Pallas ex Pursh) Britton subsp. *gnaphalodes* (Greene) Hall = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. hololeuca (A. Gray) Nesom & Baird
nauseosus (Pallas ex Pursh) Britton subsp. *graveolens* (Nuttall) Hall & Clements = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. graveolens (Nuttall) Reveal & Schuyler
nauseosus (Pallas ex Pursh) Britton subsp. *junceus* (Greene) Hall = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. juncea (Greene) Nesom & Baird
nauseosus (Pallas ex Pursh) Britton subsp. *latisquameus* (Gray) H. & S. = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. latisquamea (A. Gray) Nesom & Baird
nauseosus (Pallas ex Pursh) Britton subsp. *nauseosus* = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. nauseosa
nauseosus (Pallas ex Pursh) Britton subsp. *nitidus* Anderson = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. nitida (L.C. Anderson) Nesom & Baird
nauseosus (Pallas ex Pursh) Britton subsp. *pinifolius* (Greene) Hall & Clements = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. oreophila (A. Nelson) Nesom & Baird
nauseosus (Pallas ex Pursh) Britton subsp. *speciosus* (Nuttall) Hall & Clements = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. speciosa (Nuttall) Nesom & Baird
nauseosus (Pallas ex Pursh) Britton subsp. *texensis* Anderson = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. texensis (L.C. Anderson) Nesom & Baird
nauseosus (Pallas ex Pursh) Britton subsp. *typicus* Hall & Clements = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. nauseosa
newberryi Rydberg = Ericameria parryi (A. Gray) Nesom & Baird var. attenuata (M.E. Jones) Nesom & Baird
parryi (Gray) Greene subsp *affinis* (A. Nelson) L.C. Anderson = Ericameria parryi (A. Gray) Nesom & Baird var. affinis (A. Nelson) Nesom & Baird
parryi (Gray) Greene subsp. *attenuatus* (M.E. Jones) Hall & Clements = Ericameria parryi (A. Gray) Nesom & Baird var. attenuata (M.E. Jones) Nesom & Baird
parryi (Gray) Greene subsp. *howardii* (Parry ex A. Gray) Hall & Clements = Ericameria parryi (A. Gray) Nesom & Baird var. howardii (Parry ex A. Gray) Nesom & Baird
parryi (Gray) Greene subsp. *parryi* = Ericameria parryi (A. Gray) Nesom & Baird var. parryi
pinifolius Greene = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. oreophila (A. Nelson) Nesom & Baird
pulchellus (Gray) Greene subsp. *baileyi* (Wooton & Standley) Hall & Clements = Lorandersonia baileyi (Wooton & Standley) Rubatsch, Roberts & Neubig
pulchellus (Gray) Greene = Lorandersonia pulchella (Gray) Urbatsch, Roberts & Neubig
pulchellus (Gray) Greene subsp. *elatior* (Standley) Hall & Clements = Lorandersonia pulchella (Gray) Urbatsch, Roberts & Neubig
pulcherrimus A. Nelson = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird subsp. nauseosa var. speciosa (Nuttall) Nesom & Baird
serrulatus Rydberg = Chrysothamnus viscidiflorus (Hooker) Nuttall var. viscidiflorus
spathulatus L.C. Anderson = Lorandersonia spathulata (L.C. Anderson) Urbatsch, Roberts & Neubig
speciosus Nuttall = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. speciosa (Nuttall) Nesom & Baird
vaseyi (Gray) Greene [Anderson 1986; M&H; W&S]
Vasey's rabbitbrush
Bigelovia vaseyi Gray
Chrysothamnus bakeri Greene
Ericameria vaseyi (A. Gray) L.C. Anderson
viscidiflorus (Hooker) Nuttall = Chrysothamnus viscidiflorus (Hooker) Nuttall var. viscidiflorus
viscidiflorus (Hooker) Nuttall subsp. *elegans* (Greene) Hall & Clements = Chrysothamnus viscidiflorus (Hooker) Nuttall var. lanceolatus (Nuttall) Greene
viscidiflorus (Hooker) Nuttall var. ***lanceolatus*** (Nuttall) Greene [Anderson 1986; M&H; W&S]
green-flowered rabbitbrush
Chrysothamnus elegans Greene
Chrysothamnus viscidiflorus (Hooker) Nuttall subsp. *elegans* (Greene) Hall & Clements
Chrysothamnus viscidiflorus (Hooker) Nuttall subsp. *lanceolatus* (Nuttall) Hall & Clements

Ericameria viscidiflora (Hooker) L.C. Anderson subsp. *lanceolata* (Nuttall) L.C. Anderson

viscidiflorus (Hooker) Nuttall subsp. *lanceolatus* (Nuttall) Hall & Clements = Chrysothamnus viscidiflorus (Hooker) Nuttall var. lanceolatus (Nuttall) Greene

viscidiflorus (Hooker) Nuttall subsp. *linifolius* (Greene) Hall & Clements = Lorandersonia linifolia (Greene) Urbatsch, Roberts & Neubig

viscidiflorus (Nuttall) Hooker subsp. *ludens* Shinners = Lorandersonia spathulata (L.C. Anderson) Urbatsch, Roberts & Neubig

viscidiflorus (Hooker) Nuttall subsp. *stenophyllus* (Gray) Hall & Clements = Chrysothamnus viscidiflorus (Hooker) Nuttall var. viscidiflorus

viscidiflorus (Hooker) Nuttall var. ***viscidiflorus*** [Anderson 1986; M&H; W&S]

green-flowered rabbitbrush

Bigelovia douglasii Gray var. *stenophpylla* Gray

Chrysothamnus glaucus A. Nelson

Chrysothamnus serrulatus Rydberg

Chrysothamnus stenophyllus (Gray) Greene

Chrysothamnus viscidiflorus (Hooker) Nuttall subsp. *stenophyllus* (Gray) Hall & Clements

Ericameria viscidiflora (Hooker) L.C. Anderson

Cichorium chicory

****intybus*** Linnaeus [M&H; W&S]

chicory

Cirsium thistle

Allred, K.W. 2005. Plant distribution reports (*Cirsium arizonicum rothrockii*, *Gypsophila scorzonerifolia*, *Rumex stenophyllus*, *Paronychia pulvinata*). The New Mexico Botanist 33:7.

Barlow-Irick, P. 1999. *Cirsium ochrocentrum* subsp. *martinii* (Asteraceae), a new subspecies of the Santa Fe thistle from the Gila River region of Arizona and New Mexico. Novon 9:318-322.

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*C. chellyense*, as *C. chuskaense*]

Keil, D.J. 2004. New taxa and new combinations in North American *Cirsium* (Asteraceae: Cardueae). Sida 21(1):207-219.

Keil, D.J. 2006. *Cirsium*, p. 95-164. IN: Flora of North America, vol. 19. Oxford University Press.

Moore, R.J. and C. Frankton. 1973. The *Cirsium arizonicum* complex of the southwestern United States. Can. J. Bot. 52:543-551.

Schaack, C.G. and G.A. Goodwin. 1990. A new subspecies of *Cirsium parryi* (Asteraceae: Cardueae) from Arizona and comments on the *Cirsium parryi* complex. Madroño 37(4):299304.

Worthington, R.D. 2004. Plant distribution reports. The New Mexico Botanist 31:2. [*Cirsium texanum*]

acaulescens (Gray) K. Schumann = Cirsium drummondii Torrey & Gray var. acaulescens (Gray) Macbride

arizonicum (Gray) Petrak var. ***arizonicum*** [Keil 2006; M&H; W&S]

Arizona thistle

Carduus arizonicus (Gray) Greene

Cnicus arizonicus Gray

arizonicum (Gray) Petrak var. ***bipinnatum*** (Eastwood) Keil [Keil 2006; M&H; W&S]

Four-Corners thistle

Carduus bipinnatus (Eastwood) Heller

Carduus pulchellus Greene

Cirsium calcareum (M.E. Jones) Wooton & Standley

Cirsium bipinnatum (Eastwood) Rydberg

Cirsium pulchellum (Greene) Wooton & Standley

Cnicus drummondii Gray var. *bipinnatus* Eastwood

arizonicum (Gray) Petrak var. ***chellyense*** (Moore & Frankton) Keil [Keil 2006; Heil et al. 2002]

queen thistle

Cirsium chellyense Moore & Frankton

Cirsium chuskaense R.J. Moore

arizonicum (Gray) Petrak var. ***rothrockii*** (A. Gray) Keil [Allred 2005; Keil 2006]

Rothrock's thistle

Cnicus rothrockii A. Gray

****arvense*** (Linnaeus) Scopoli [Keil 2006; M&H]

Canadian thistle

Serratula arvensis Linnaeus

bipinnatum (Eastwood) Rydberg = Cirsium arizonicum (Gray) Petrak var. bipinnatum (Eastwood) Keil

calcareum (M.E. Jones) Wooton & Standley = Cirsium arizonicum (Gray) Petrak var. bipinnatum (Eastwood) Keil

canescens Nuttall : Reported by M&H, but excluded from NM by Keil (2006); awaits verification.

Carduus undulatus Nuttall var. *canescens* (Nuttall) Porter

chellyense Moore & Frankton = Cirsium arizonicum (Gray) Petrak var. chellyense (Moore & Frankton) Keil

chuskaense R.J. Moore = Cirsium arizonicum (Gray) Petrak var. chellyense (Moore & Frankton) Keil

coloradense (Rydberg) Cockerell = Cirsium scariosum Nuttall var. coloradense (Rydberg) Keil

drummondii Torrey & Gray var. *acaulescens* (Gray) Macbride = Cirsium scariosum Nuttall var. americanum

drummondii Torrey & Gray s.s. : Not occuring in NM (Keil 2006)

Carduus drummondii (Torrey & Gray) Coville

eatonii (A. Gray) B.L. Robinson var. ***eriocephalum*** (A. Gray) Keil [Keil 2006; Spellenberg et al. 1986]

Rocky Mountain thistle

Carduus scopulorus Greene

Cirsium scopulorum (Greene) Cockerell ex Daniels

gilense (Wooton & Standley) Wooton & Standley = Cirsium parryi (Gray) Petrak

grahamii Gray [Keil 2006; M&H; W&S]
Graham's thistle
Carduus grahami (Gray) Greene
Cnicus grahami (Gray) Gray
inornatum (Wooton & Standley) Wooton & Standley = Cirsium parryi (Gray) Petrak
megacephalum (Gray) Cockerell = Cirsium undulatum (Nuttall) Sprengel
neomexicanum Gray [Keil 2006; M&H; W&S]
New Mexico thistle
Carduus neomexicanus (Gray) Greene
Cnicus neomexicanus (Gray) Gray
ochrocentrum Gray var. ***ochrocentrum*** [Keil 2006; M&H; W&S]
yellow-spine thistle
Carduus ochrocentrus (Gray) Greene
Cnicus ochrocentrus (Gray) Gray
ochrocentrum Gray var. ***martinii*** (P. Barlow-Irick) Keil [Barlow-Irick 1999; Keil 2006]
Martin's thistle
Cirsium ochrocentrum Gray subsp. *martinii* P. Barlow-Irick
ochrocentrum Gray subsp. *martinii* P. Barlow-Irick = Cirsium ochrocentrum Gray var. martinii (P. Barlow-Irick) Keil
pallidum (Wooton & Standley) Wooton & Standley = Cirsium parryi (Gray) Petrak
parryi (Gray) Petrak [Keil 2006; M&H; W&S]
Parry's thistle
Carduus gilensis Wooton & Standley
Carduus inornatus Wooton & Standley
Carduus pallidus Wooton & Standley
Carduus parryi (Gray) Greene
Cirsium gilense (Wooton & Standley) Wooton & Standley
Cirsium inornatum (Wooton & Standley) Wooton & Standley
Cnicus parryi Gray
perennans (Greene) Wooton & Standley = Cirsium wheeleri (Gray) Petrak
pulchellum (Greene) Wooton & Standley = Cirsium arizonicum (Gray) Petrak var. bipinnatum (Eastwood) Keil
scariosum Nuttall var. americanum : Not occuring in NM (Keil 2006)
Carduus acaulescens (Gray) Rydberg
Carduus drummondii (Torrey & Gray) Coville var. *acaulescens* (Gray) Coville
Cirsium acaulescens (Gray) K. Schumann
Cirsium drummondii Torrey & Gray var. *acaulescens* (Gray) Macbride
scariosum Nuttall var. ***coloradense*** (Rydberg) Keil [Keil 2006; M&H; W&S]
meadow thistle
Cirsium coloradense (Rydberg) Cockerell ex Daniels
scariosum Nuttall var. *scariosum* : Not occurring in NM (Keil 2006); our plants referred to Cirsium scariosum Nuttall var. coloradense (Rydberg) Keil
scopulorum (Greene) Cockerell ex Daniels = Cirsium eatonii (A. Gray) B.L. Robinson var. eriocephalum (A. Gray) Keil
texanum Buckley [Keil 2006; Worthington 2004]
Texas thistle
tracyi (Rydberg) Petrak [Keil 2006]
Tracy's thistle
Carduus tracyi Rydberg
undulatum (Nuttall) Sprengel [Keil 2006; M&H; W&S]
wavy-leaf thistle
Carduus megacephalus (Gray) A. Nelson
Carduus undulatus Nuttall
Cirsium megacephalum (Gray) Cockerell
Cnicus undulatus (Nuttall) Gray
Cnicus undulatus (Nuttall) Gray var. *megacephalus* Gray
+vinaceum (Wooton & Standley) Wooton & Standley [Keil 2006; M&H; W&S]
Sacramento Mountains thistle
Carduus vinaceus Wooton & Standley
****vulgare*** (Savi) Tenore [Keil 2006; M&H]
bull thistle
Carduus vulgaris Savi
Cirsium lanceloatum (Linnaeus) Scopoli
wheeleri (Gray) Petrak [Keil 2006; M&H; W&S]
Wheeler's thistle
Cirsium perennans (Greene) Wooton & Standley
Cnicus wheeleri Gray
wrightii Gray [Keil 2006; M&H; W&S]
Wright's thistle
Carduus wrightii (Gray) Heller

Cnicus wrightii Gray
Clappia suaedifolia sensu W&S, not Gray = Pseudoclappia arenaria Rydberg
Cnicus arizonicus Gray = Cirsium arizonicum (Gray) Petrak var. arizonicum
benedictus Linnaeus : Reported as expected by M&H; awaits verification.
drummondii Gray var. *bipinnatus* Eastwood = Cirsium arizonicum (Gray) Petrak var. bipinnatum (Eastwood) Keil
grahami (Gray) Gray = Cirsium grahamii Gray
neomexicanus (Gray) Gray = Cirsium neomexicanum Gray
ochrocentrus (Gray) Gray = Cirsium ochrocentrum Gray
parryi Gray = Cirsium parryi (Gray) Petrak
rothrockii A. Gray = Cirsium arizonicum (Gray) Petrak var. rothrockii (A. Gray) Keil
undulatus (Nuttal) Gray = Cirsium undulatum (Nuttall) Sprengel
undulatus (Nuttal) Gray var. *megacephalus* Gray = Cirsium undulatum (Nuttall) Sprengel
wheeleri Gray = Cirsium wheeleri (Gray) Petrak
wrightii Gray = Cirsium wrightii (Gray) Gray
Coelestina corymbosa A.P. de Candolle = Ageratum corymbosum Zuccarini
sclerophylla Wooton & Standley = Ageratum corymbosum Zuccarini
Coleosanthus ambigens Greene = Brickelliastrum fendleri (Gray) King & H.E. Robinson
axillaris Greene = Brickellia californica (Torrey & Gray) Gray
baccharideus (Gray) Kuntze = Brickellia baccharidea Gray
betonicifolius (Gray) Kuntze = Brickellia betonicifolia Gray
brachyphyllus (Gray) Kuntze = Brickellia brachyphylla Gray
chenopodinus Greene = Brickellia chenopodina (Greene) Robins
floribundus (Gray) Kuntze = Brickellia floribunda Gray
grandiflorus (Hooker) Kuntze = Brickellia grandiflora (Hooker) Nuttall var. grandiflora
humilis Greene = Brickellia oblongifolia Nuttall var. linifolia (D.C. Eaton) Robinson
laciniatus (Gray) Kuntze = Brickellia laciniata Gray
linifolius (D.C. Eaton) Kuntze = Brickellia oblongifolia Nuttall var. linifolia (D.C. Eaton) Robinson
melissaefolius Greene = Brickellia californica (Torrey & Gray) Gray
modestus Greene : Belongs in Brickellia; status uncertain.
nepetaefolius Greene : Status uncertain
petiolaris (Gray) Greene = Brickellia grandiflora (Hooker) Nuttall var. petiolaris Gray
reniformis (Gray) Rydberg = Brickellia californica (Torrey & Gray) Gray
rusbyi (Gray) Kuntze = Brickellia rusbyi Gray
scaber Greene = Brickellia scabra (Gray) A. Nelson
squamulosus (Gray) Kuntze = Asanthus squamulosus (Gray) King & H.E. Robinson
umbellatus Greene = Brickellia grandiflora (Hooker) Nuttall var. grandiflora
venosus Wooton & Standley = Brickellia venosa (Wooton & Standley) Robinson
wootonii Greene = Brickellia lemmonii A. Gray var. lemmonii
wrightii (Gray) Britton = Baccharis wrightii Gray

Conoclinium mist-flower

King, R.M. and H. Robinson. 1970. Studies in the Eupatorieae (Compositae). XIII. The genus *Conoclinium*. Phytologia 19(5):299-300.
Schilling, E.E., J.L. Panero, & P.B. Cox. 1999. Chloroplast DNA restriction site data support a narrowed interpretation of *Eupatorium* (Asteraceae). Plant Syst. Evol. 219:209-223.

dissectum Gray [M&H; W&S]
mist-flower
Conoclinium greggii (Gray) Small
Eupatorium greggii Gray
greggii (Gray) Small = Conoclinium dissectum Gray

Conyza horseweed

Allred, K.W. & D.L. Anderson. 2002. New plant distribution records. The New Mexico Botanist 21:2. [*Conyza bonariensis*]
Nesom, G.L. 1990. Taxonomy of the genus *Laennecia* (Asteraceae: Astereae). Phytologia 68(3):205-228.

****bonariensis*** (Linnaeus) Cronquist [Allred & Anderson 2002]
asthmaweed
Erigeron bonariensis Linnaeus
****canadensis*** (Linnaeus) Cronquist var. ***canadensis*** [M&H; W&S]
horseweed
Erigeron canadensis Linnaeus
Leptilon canadense (Linnaeus) Britton & Brown
canadensis (Linnaeus) Cronquist var. ***glabrata*** (Gray) Cronquist [M&H: W&S]
western horseweed
Erigeron canadensis Linnaeus var. *glabrata* Gray
coulteri A. Gray = Laennecia coulteri (A. Gray) Nesom
coulteri Gray var. *tenuisecta* Gray = Laennecia sophiifolia (Kunth) Nesom
purpurascens Swartz = Pluchea odorata (Linnaeus) Cassini
ramosissima Cronquist [Spellenberg et al. 1986]
dwarf horseweed
schiedeana (Lessing) Cronquist = Laennecia schiedeana (Lessing) Nesom
sophiifolia Kunth = Laennecia sophiifolia (Kunth) Nesom

Coreopsis tickseed

Cronquist, A. 1994. *Coreopsis*, pp. 44-45. IN: Intermountain Flora, vol. 5. New York Botanical Garden.
Sherff, E.E. 1955. *Coreopsis*, p. 4-40. IN: E.E. Sherff & E.J. Alexander, Compositae-Heliantheae-Coreopsidinae. North Amer. Flora II. pt. 2.
Smith, E.B. 1976. A biosystematic survey of *Coreopsis* in eastern United States and Canada. Sida 6:123-215.

atkinsoniana Douglas ex Lindley = Coreopsis tinctoria Nuttall var. atkinsoniana (Douglas ex Lindley) H.M. Parker

basalis (A. Dietrich) S.F. Blake var. ***wrightii*** (Gray) S.F. Blake [Sherff 1955]
rock tickseed, Wright's tickseed
Coreopsis drummondii (D. Don) Torr. & Gray var. *wrightii* Gray
Coreopsis wrightii (Gray) H.M. Parker ex E.B. Smith

californica (Nuttall) Sharsmith [Spellenberg et al. 1993]
California tickseed
Coreopsis californica (Nuttall) Sharsmith var. *newberryi* (Gray) E.B. Smith = Coreopsis californica (Nuttall) Sharsmith

californica (Nuttall) Sharsmith var. *newberryi* (Gray) E.B. Smith = Coreopsis californica (Nuttall) Sharsmith

cardaminifolia (A.P. de Candolle) Torrey & Gray = Coreopsis tinctoria Nuttall

drummondii (D. Don) Torrey & Gray var. *wrightii* Gray = Coreopsis basalis (A. Dietrich) S.F. Blake var. wrightii (Gray) S.F. Blake

grandiflora Hogg ex Sweet [M&H]
large-flower tickseed
Coreopsis grandiflora Hogg ex Sweet var. *harveyana* (Gray) Sherff

grandiflora Hogg ex Sweet var. *harveyana* (Gray) Sherff = Coreopsis grandiflora Hogg ex Sweet

lanceolata Linnaeus [M&H]
lance-leaf tickseed

tinctoria Nuttall var. *atkinsoniana* (Douglas ex Lindley) H.M. Parker ex E.B. Small = Coreopsis tinctoria Nuttall var. atkinsoniana (Douglas ex Lindley) H.M. Parker

tinctoria Nuttall [M&H]
golden tickseed
Calliopsis cardaminifolia A.P. de Candolle
Coreopsis atkinsoniana Douglas ex Lindley
Coreopsis cardaminifolia (A.P. de Candolle) Torrey & Gray
Coreopsis tinctoria Nuttall var. *atkinsoniana* (Douglas ex Lindley) H.M. Parker ex E.B. Small

wrightii (Gray) H.M. Parker ex E.B. Smith = Coreopsis basalis (A. Dietrich) S.F. Blake var. wrightii (Gray) S.F. Blake

Cosmos cosmos

****bipinnatus*** Cavanilles [M&H]
garden cosmos

parviflorus (Jacquin) Humboldt, Bonpland, & Kunth [M&H; W&S]
southwestern cosmos

Cotula brassbuttons

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 11:8. [*Cotula australis*]

****australis*** (Siebold ex Sprengel) Hooker f. [Allred 1999]
southern brassbuttons

Crassina pumila (Gray) Kuntze = Zinnia acerosa (A.P. de Candolle) Gray

grandiflora (Nuttall) Kuntze = Zinnia grandiflora Nuttall

Crepis hawk's beard

Babcock, E.B. 1947. The genus *Crepis*. Part two, systematic treatment. Univ. Calif. Publ. Bot. 22:199-1030.
Cronquist, A. 1994. *Crepis*, pp. 459-468. IN: Intermountain Flora, vol. 5. New York Botanical Garden.

acuminata Nuttall [M&H; W&S]
long-leaf hawk's beard
Crepis acuminata Nuttall subsp. *pluriflora* Babcock & Stebbins

acuminata Nuttall subsp. *pluriflora* Babcock & Stebbins = Crepis acuminata Nuttall

barberi Greene = Crepis runcinata Torrey & Gray var. barberi (Greene) B.L. Turner

chamaephylla Wooton & Standley = Crepis runcinata Torrey & Gray var. glauca (Nuttall) Boivin

glauca (Nuttall) Torrey & Gray = Crepis runcinata Torrey & Gray var. glauca (Nuttall) Boivin

intermedia Gray [Babcock 1947; Kartesz 1999]
limestone hawk's beard

mogollonica Greene = Crepis runcinata Torrey & Gray var. barberi (Greene) B.L. Turner

neomexicana Wooton & Standley = Crepis runcinata Torrey & Gray var. runcinata

occidentalis Nuttall [M&H; W&S]
western hawk's beard

perplexans Rydberg = Crepis runcinata Torrey & Gray var. runcinata

petiolata Rydberg = Crepis runcinata Torrey & Gray var. runcinata

runcinata (James) Torrey & Gray var. ***barberi*** (Greene) B.L. Turner [M&H; W&S]
fiddle-leaf hawk's beard
Crepis barberi Greene
Crepis mogollonica Greene
Crepis runcinata Torrey & Gray subsp. *barberi* (Greene) Babcock & Stebbins

runcinata Torrey & Gray subsp. *barberi* (Greene) Babcock & Stebbins = Crepis runcinata (James) Torrey & Gray var. barberi (Greene) B.L. Turner

runcinata (James) Torrey & Gray var. ***glauca*** (Nuttall) Boivin [M&H; W&S]
fiddle-leaf hawk's beard

Crepis chamaephylla Wooton & Standley
Crepis glauca (Nuttall) Torrey & Gray
Crepis runcinata Torrey & Gray subsp. *glauca* (Nuttall) Babcock & Stebbins

runcinata Torrey & Gray subsp. *glauca* (Nuttall) Babcock & Stebbins = Crepis runcinata (James) Torrey & Gray var. glauca (Nuttall) Boivin

runcinata (James) Torrey & Gray var. ***runcinata*** [M&H; W&S]
fiddle-leaf hawk's beard
Crepis neomexicana Wooton & Standley
Crepis perplexans Rydberg
Crepis petiolata Rydberg

Cyclachaena careless-weed
Strother, J.L. 2000. *Hedosyne* (Compositae, Ambrosiinae), a new genus for *Iva ambrosiifolia*. Madroño 47(3):204-205.

ambrosiifolia (A. Gray) Rydberg = Hedosyne ambrosiifolia (A. Gray) Strother

xanthifolia (Nuttall) Fresenius [M&H; W&S]
careless-weed
Iva xanthifolia Nuttall

Cynthia viridis Standley = Krigia biflora (Walter) Blake

Diaperia cudweed
Hershey, A.L. & P.J. Leyendecker, Jr. 1944. Notes on plants of New Mexico -- III. Leafl. West. Bot. 4(2):21-25. [*Evax prolifea*]
Morefield, J.D. 2006. *Diaperia*, pp. 460-463. IN: Flora of North America, vol. 19. Oxford University Press, New York.

prolifera (Nuttall ex A.P. de Candolle) Nuttall var. ***barnebyi*** Morefield [Morefield 2006]
Barneby's cudweed

prolifera (Nuttall ex A.P. de Candolle) Nuttall var. ***prolifera*** [Hershey & Leyedecker 1944; Spellenberg 1984]
big-head cudweed
Evax prolifera Nuttall ex A.P. de Candolle
Filago prolifera (Nuttall ex A.P. de Candolle) Britton

verna (Rafinesque) Morefield var. ***verna*** [M&H; W&S]
spring cudweed
Evax multicaulis A.P. de Candolle
Evax verna Rafinesque
Filaginopsis multicaulis Torrey & Gray

Dicoria twinbugs
Cronquist, A. 1994. *Dicoria*, pp. 57. IN: Intermountain Flora, vol. 5. New York Botanical Garden.

brandegeei Gray = Dicoria canescens A. Gray var. brandegeei (Gray) Cronquist

canescens A. Gray var. ***brandegeei*** (Gray) Cronquist [M&H; W&S]
desert twinbugs
Dicoria brandegeei Gray
Dicoria paniculata Eastwood

paniculata Eastwood = Dicoria canescens A. Gray var. brandegeei (Gray) Cronquist

Dicranocarpus pitchforks

dicranocarpus (Gray) Wooton & Standley = Dicranocarpus parviflorus Gray

parviflorus (Gray) Gray [M&H; W&S]
pitchforks
Dicranocarpus dicranocarpus (Gray) Wooton & Standley
Heterospermum dicranocarpum Gray
Wootonia parviflora (Gray) Greene

Dieteria
Morgan, D.R. & R.L. Hartman. 2003. A synopsis of *Machaeranthera* (Asteraceae: Astereae), with recognition of segregate genera. Sida 20(4):1387-1416.

asteroides Torrey var. ***asteroides*** [M&H; Turner 1987; W&S]
starry spine-aster
Aster amplifolius (Wooton & Standley) Kittell
Aster canescens Pursh var. *tephrodes* Gray
Aster tephrodes (Gray) Blake
Machaeranthera amplifolia Wooton & Standley
Machaeranthera asteroides (Torrey) Greene
Machaeranthera canescens (Pursh) Gray var. *incana* (Lindley) Gray
Machaeranthera canescens (Pursh) Gray var. *latifolia* Gray
Machaeranthera simplex Wooton & Standley
Machaeranthera tephrodes (Gray) Greene

asteroides Torrey var. ***glandulosa*** (B.L. Turner) Morgan & Hartman [Turner 1987]
starry spine-aster
Machaeranthera asteroides (Torrey) Greene var. *glandulosa* B.L. Turner

bigelovii (Gray) Morgan & Hartman var. ***bigelovii*** [M&H; Turner 1987; W&S]
Bigelow's spine-aster
Aster aquifolius (Greene) Blake
Aster bigelovii Gray
Machaeranthera aquifolia Greene

Machaeranthera bigelovii (Gray) Greene
Machaeranthera centaureoides Greene
Machaeranthera rubricaulis Rydberg

canescens (Pursh) Nuttall var. ***ambigua*** (B. Turner) Morgan & Hartman [M&H; Turner 1987; W&S]
sand-daisy
Machaeranthera canescens (Pursh) Gray var. *ambigua* B. Turner
Machaeranthera angustifolia Wooton & Standley

canescens (Pursh) Nuttall var. ***aristata*** (Eastwood) Morgan & Hartman [Turner 1987; W&S]
sand-daisy
Machaeranthera canescens (Pursh) Gray var. *aristata* (Eastwood) B. Turner
Machaeranthera cichoriacea Greene

canescens (Pursh) Nuttall s.s. : Not known from NM according to Turner (1987).
Aster canescens Pursh
Aster rubrotinctus Blake
Machaeranthera canescens (Pursh) Gray
Machaeranthera viscosa (Nuttall) Greene

canescens (Pursh) Nuttall var. ***glabra*** (Gray) Morgan & Hartman [M&H; Turner 1987; W&S]
smooth sand-daisy
Aster linearis (Greene) Cory
Machaeranthera canescens (Pursh) Gray var. *glabra* Gray
Machaeranthera linearis Greene

coronopifolia Nuttall = Machaeranthera tanacetifolia (Humboldt, Bonpland, & Kunth) Nees
gracilis Nuttall = Xanthisma gracile (Nuttall) Morgan & Hartman
Donia squarrosa Pursh = Grindelia squarrosa (Pursh) Dunal
Dracopis amplexicaulis (Vahl) Cassini = Rudbeckia amplexicaulis Vahl
Dugaldea hoopesii (Gray) Rydberg = Hymenoxys hoopesii (A. Gray) Bierner

Dyssodia fetid-marigold
Strother, J.L. 1969. Systematics of *Dyssodia* Cavanilles (Compositae: Tageteae). Univ. Calif. Pub. Bot. 48:1-86.
Strother, J.L. 1986. Renovation of *Dyssodia* (Compositae: Tageteae). Sida 11:371-378.
acerosa A.P. de Candolle = Thymophylla acerosa (A.P. de Candolle) Strother
aurea (Gray) A. Nelson = Thymophylla aurea (Gray) Greene ex Britton
hartwegii (Gray) Robinson = Thymophylla pentachaeta (A.P. de Candolle) Small var. hartwegii (Gray) Strother
neomexicana (Gray) Robinson = Adenophyllum wrightii Gray

papposa (Ventenat) Hitchcock [M&H; W&S]
fetid-marigold
Boebera papposa (Ventenat) Rydberg
Tagetes papposa Ventenat

pentachaeta (A.P. de Candolle) Robinson = Thymophylla pentachaeta (A.P. de Candolle) Small var. pentachaeta
polychaeta (Gray) Robinson = Thymophylla aurea (Gray) Greene var. polychaeta (Gray) Strother
setifolia (Lagasca) Robinson var. *greggii* (Gray) Shinners = Thymophylla setifolia Lagasca var. radiata (Gray) Strother
setifolia (Lagasca) Robinson var. *radiata* (Gray) Strother = Thymophylla setifolia Lagasca var. radiata (Gray) Strother
thurberi (Gray) Robinson = Thymophylla pentachaeta (A.P. de Candolle) Small var. belenidium (A.P. de Candolle) Strother

Echinacea coneflower
Binns, S.E., B.R. Baum, & J.T. Arnason. 2002. A taxonomic revision of *Echinacea* (Asteraceae: Heliantheae). Syst. Bot. 27(3):610-632.

angustifolia A.P. de Candolle [M&H]
purple coneflower
Brauneria angustifolia (A.P. de Candolle) Heller
Echinacea pallida (Nuttall) Nuttall var. *angustifolia* (A.P. de Candolle) Cronquist

pallida (Nuttall) Nuttall var. *angustifolia* (A.P. de Candolle) Cronquist = Echinacea angustfolia A.P. de Candolle

Eclipta false daisy
alba (Linnaeus) Hasskarl = Eclipta prostrata (Linnaeus) Linnaeus
erecta Linnaeus = Eclipta prostrata (Linnaeus) Linnaeus

****prostrata*** (Linnaeus) Linnaeus
false daisy
Eclipta alba (Linnaeus) Hasskarl
Eclipta erecta Linnaeus
Verbesina alba Linnaeus

Encelia brittlebush
Clark, C. 2006. *Encelia*, pp. 118-122. IN: Flora of North America, vol. 21. Oxford University Press.
exaristata (Gray) Gray = Simsia lagascaeformis A.P. de Candolle
frutescens Gray var. *virginensis* (A. Nelson) Blake = Encelia virginensis A. Nelson

virginensis A. Nelson [M&H]
Virgin River brittlebush
Encelia frutescens Gray var. *virginensis* (A. Nelson) Blake

microcephala Gray = Helianthella microcephala (Gray) Gray

scaposa (Gray) Gray [M&H; W&S]
one-head brittlebush
Simsia scaposa Gray

Engelmannia Engelmann's daisy

Goodman, G.J. and C.A. Lawson. 1992. Two new combinations and a name change from the Long Expedition of 1820. Rhodora 94:381.

Turner, B.L. 1956. Chromosome numbers and geographic distribution of *Lindheimera, Engelmannia*, and *Berlandiera*. Southwestern Naturalist 1:128-131.

peristenia (Rafinesque) Goodman & Lawson [M&H; W&S]
Engelmann's daisy
Engelmannia pinnatifida Torrey & Gray

pinnatifida Torrey & Gray = Engelmannia peristenia (Rafinesque) Goodman & Lawson

Ericameria goldenbush

Anderson, L.C. 1978. New taxa in *Chrysothamnus*, section *Nauseosi* (Asteraceae). Phytologia 38:309-320.

Anderson, L.C. 1980. Morphology and biogeography of *Chrysothamnus nauseosus* ssp. *texensis* (Asteraceae): a new Guadalupe Mountains endemic. Southw. Naturalist 25:197-206.

Anderson, L.C. 1986. An overview of the genus *Chrysothamnus* (Asteraceae), pp. 29-45, IN: E.D. McArthur & B.L. Welsh (compilers). Proceedings -- Symposium on the Biology of *Artemisia* and *Chrysothamnus*. USDA For. Serv. Gen. Tech. Rep. INT-200.

Anderson, L.C. 1995. The *Chrysothamnus-Ericameria* connection (Asteraceae). Great Basin Nat. 55(1):84-88.

Nesom, G.L. 1990. Taxonomic summary of *Ericameria* (Asteraceae: Astereae), with the inclusion of *Haplopappus* sects. *Macronema* and *Asiris*. Phytologia 68(2):144-155.

Nesom, G.L. and G.I. Baird. 1993. Completion of *Ericameria* (Asteraceae: Astereae), diminution of Chrysothamnus. Phytologia 75(1):74-93.

Sivinski, R. 2001. New plant distribution records. The New Mexico Botanist 19:3. [*Ericameria parryi affinis*]

Urbatsch, L.E. 1978. The Chihuahuan desert species of *Ericameria* (Compositae: Astereae). Sida 7(3):298-303.

Urbatsch, L.E., L.C. Anderson, R.P. Roberts, & K.M. Neubig. 2006. *Ericameria*, p. 50-77. IN: Flora of North America, vol. 20. Oxford University Press, New York.

cuneata (Gray) McClatchie var. ***spathulata*** (Gray) H.M. Hall [M&H]
cliff goldenbush
Bigelovia spathulata Gray
Haplopappus cuneatus Gray var. *spathulatus* (Gray) Blake

depressa (Nuttall) L.C. Anderson = *Chrysothamnus depressus* Nuttall

filifolia (Rydberg) L.C. Anderson = Chrysothamnus greenei (Gray) Greene

laricifolia (Gray) Shinners [M&H; W&S]
turpentine bush
Chrysoma laricifolia (Gray) Greene
Haplopappus laricifolius Gray

linearifolia (A.P. de Candolle) Urbatsch & Wussow [Urbatsch et al. 2006]
narrowleaf goldenbush

linifolia (Greene) L.C. Anderson = Lorandersonia linifolia (Greene) Urbatsch, Roberts & Neubig

microcephala (Cronquist) Kartesz & Gandhi = Lorandersonia microcephala (Cronquist)

nauseosa (Pallas ex Pursh) Nesom & Baird var. ***arenaria*** (L.C. Anderson) Nesom & Baird [Anderson 1986]
rubber rabbitbrush
Chrysothamnus nauseosus (Pallas ex Pursh) Britton subsp. *arenarius* Anderson

nauseosa (Pallas ex Pursh) Nesom & Baird var. ***bigelovii*** (Torrey) Nesom & Baird [Anderson 1986; M&H; W&S]
Bigelow's rabbitbrush
Chrysothamnus bigelovii (Gray) Greene
Chrysothamnus nauseosus (Pallas ex Pursh) Britton subsp. *bigelovii* (Gray) Hall & Clements
Linosyris bigelovii Gray

nauseosa (Pallas ex Pursh) Nesom & Baird var. *arta* (A. Nelson) Nesom & Baird = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. oreophila (A. Nelson) Nesom & Baird

nauseosa (Pallas ex Pursh) Nesom & Baird var. ***graveolens*** (Nuttall) Reveal & Schuyler [Anderson 1986; M&H; W&S]
rubber rabbitbrush
Bigelovia graveolens (Nuttall) Gray
Chrysocoma graveolens Nuttall
Chrysothamnus confinis Greene
Chrysothamnus graveolens (Nuttall) Greene
Chrysothamnus nauseosus (Pallas ex Pursh) Britton subsp. *graveolens* (Nuttall) Hall & Clements
Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. *glabrata* (A. Gray) Nesom & Baird

nauseosa (Pallas ex Pursh) Nesom & Baird var. ***hololeuca*** (A. Gray) Nesom & Baird [Anderson 1986; M&H]
rubber rabbitbrush
Chrysothamnus nauseosus (Pallas ex Pursh) Britton subsp. *gnaphalodes* (Greene) Hall

nauseosa (Pallas ex Pursh) Nesom & Baird var. juncea (Greene) Nesom & Baird : Reported by M&H, but excluded from NM by Urbatsch et al. (2006); verification needed.
Chrysothamnus junceus Greene
Chrysothamnus nauseosus (Pallas ex Pursh) Britton subsp. *junceus* (Greene) Hall

nauseosa (Pallas ex Pursh) Nesom & Baird var. ***latisquamea*** (A. Gray) Nesom & Baird [Anderson 1986; M&H; W&S]
rubber rabbitbrush
Bigelovia graveolens (Nuttall) Gray var. *appendiculata* Eastwood
Bigelovia graveolens (Nuttall) Gray var. *latisquamea* Gray
Chrysothamnus appendiculatus (Eastwood) Heller
Chrysothamnus latisquameus (Gray) Greene
Chrysothamnus nauseosus (Pallas ex Pursh) Britton subsp. *latisquameus* (Gray) H. & S.

nauseosa (Pallas ex Pursh) Nesom & Baird var. nauseosa : Reported by M&H, but the map in Anderson 1986 shows that this taxon is not likely to be found in NM, and not reported for the state in Urbatsch et al. (2006)

Chrysothamnus nauseosus (Pallas ex Pursh) Britton subsp. *nauseosus*
Chrysothamnus nauseosus (Pallas ex Pursh) Britton subsp. *typicus* Hall & Clements

nauseosa (Pallas ex Pursh) Nesom & Baird var. ***nitida*** (L.C. Anderson) Nesom & Baird [Anderson 1986]
rubber rabbitbrush
Chrysothamnus nauseosus (Pallas ex Pursh) Britton subsp. *nitidus* Anderson

nauseosa (Pallas ex Pursh) Nesom & Baird var. ***oreophila*** (A. Nelson) Nesom & Baird
rubber rabbitbrush
Chrysothamnus nauseosa (Pallas ex Pursh) Nesom & Baird var. *arta* (A. Nelson) Nesom & Baird
Chrysothamnus nauseosus (Pallas ex Pursh) Britton subsp. *consimilis* (Greene) Hall & Clements
Chrysothamnus nauseosus (Pallas ex Pursh) Britton subsp. *pinifolius* (Greene) Hall & Clements
Chrysothamnus pinifolius Greene

nauseosa (Pallas ex Pursh) Nesom & Baird var. speciosa (Nuttall) Nesom & Baird : Reported by M&H, but not by Urbatsch et al. (2006); awaits verification.
Chrysothamnus formosus Greene
Chrysothamnus nauseosus (Pallas ex Pursh) Britton subsp. *speciosus* (Nuttall) Hall & Clements
Chrysothamnus pulcherrimus A. Nelson
Chrysothamnus speciosus Nuttall

nauseosa (Pallas ex Pursh) Nesom & Baird var. ***texensis*** (L.C. Anderson) Nesom & Baird [Anderson 1980]
rubber rabbitbrush
Chrysothamnus nauseosus (Pallas ex Pursh) Britton subsp. *texensis* Anderson

nauseosa (Pallas ex Pursh) Nesom & Baird var. ***turbinata*** (M.E. Jones) Nesom [Heil et al. 2002]
rubber rabbitbrush

parryi (A. Gray) Nesom & Baird var. ***affinis*** (A. Nelson) Nesom & Baird [Sivinski 2001]
Parry's rabbitbrush
Chrysothamnus parryi (Gray) Greene subsp *affinis* (A. Nelson) L.C. Anderson

parryi (A. Gray) Nesom & Baird var. ***attenuata*** (M.E. Jones) Nesom & Baird [Anderson 1986; M&H; W&S]
Parry's rabbitbrush
Chrysothamnus newberryi Rydberg
Chrysothamnus parryi (Gray) Greene subsp. *attenuatus* (M.E. Jones) Hall & Clements

parryi (A. Gray) Nesom & Baird var. ***howardii*** (Parry ex A. Gray) Nesom & Baird [Anderson 1986; M&H]
Howard's rabbitbrush
Chrysothamnus howardii (Parry ex A. Gray) Greene
Chrysothamnus parryi (Gray) Greene subsp. *howardii* (Parry ex A. Gray) Hall & Clements

parryi (A. Gray) Nesom & Baird var. ***parryi*** [Anderson 1986]
Parry's rabbitbrush
Chrysothamnus parryi (Gray) Greene

pulchella (Gray) L.C. Anderson subsp. *baileyi* (Wooton & Standley) L.C. Anderson = Lorandersonia baileyi (Wooton & Standley) Urbatsch, Roberts & Neubig
pulchella (Gray) L.C. Anderson var. *elatior* (Standley) L.C. Anderson = Lorandersonia pulchella (Gray) Urbatsch, Roberts & Neubig
pulchella (Gray) L.C. Anderson var. *pulchella* = Lorandersonia pulchella (Gray) Urbatsch, Roberts & Neubig
spathulata (L.C. Anderson) L.C. Anderson = Lorandersonia spathulata (L.C. Anderson) Urbatsch, Roberts & Neubig
vaseyi (Gray) L.C. Anderson = Chrysothamnus vaseyi (Gray) Greene
viscidiflora (Hooker) L.C. Anderson subsp. *lanceolata* (Nuttall) L.C. Anderson = Chrysothamnus viscidiflorus (Hooker) Nuttall var. lanceolata (Nuttall) Greene
viscidiflora (Hooker) L.C. Anderson var. *stenophylla* (A. Gray) L.C. Anderson = Chrysothamnus viscidiflorus (Hooker) Nuttall var. viscidiflorus
viscidiflora (Hooker) L.C. Anderson var. *viscidiflora* = Chrysothamnus viscidiflorus (Hooker) Nuttall var. viscidiflorus

Erigeron fleabane

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Erigeron annuus*]
Cronquist, A. 1947. Revision of the North American species of *Erigeron*, north of Mexico. Brittonia 6:122-302.
Cronquist, A. 1994. *Erigeron*, pp. 305-351. IN: Intermountain Flora, vol. 5. New York Botanical Garden.
DeJong, D.C.D. & G.L. Nesom. 1996. Chromosome counts in Mexican *Erigeron*. Madroo 43(3):384-392.
Hartman, R.L. 2003. Preliminary checklist of the vascular plants of Valles Caldera National Preserve, New Mexico. Distributed by the author <rhartman@uwyo.edu>. [*Erigeron acris asteroides*]
Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233.
Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*E. compactus consimilis, E. engelmannii*]
Heil, K. 2004. Plant distribution reports. The New Mexico Botanist 31:2. [*Erigeron abajoensis*]
Nesom, G.L. 1978. Chromosome numbers in *Erigeron* and *Conyza* (Compositae). Sida 7:375-381.
Nesom, G.L. 1978. *Erigeron hessii* sp. nov. and *Erigeron kuscheri* Eastwood (Compositae), two closely related narrow endemics from the southwestern United States. Brittonia 30(4):440-446.
Nesom, G.L. 1982. Systematics of the *Erigeron rusbyi* group (Asteraceae) and delimitation of sect. *Peregrinus*. Syst. Bot. 7(4):457-470.
Nesom, G.L. 1983. Taxonomy of *Erigeron concinnus* (Asteraceae) and its separation from *E. pumilus*. Sida 10:159-166.
Nesom, G.L. 1989. Taxonomy of *Erigeron* sect. *Polyactis* (Compositae: Astereae). Phytologia 66(5):415-455.
Nesom, G.L. 1989. Infrageneric taxonomy of New World *Erigeron* (Compositae: Astereae). Phytologia 67(1):67-93.
Nesom, G.L. 1990. Taxonomy of *Erigeron bellidiastrum* (Asteraceae: Astereae), with a new variety. Phytologia 69(3):163-168.
Nesom, G.L. 1991. A new species of *Erigeron* (Asteraceae): Astereae) from northwestern New Mexico. Phytologia 71(5):416-419. [*Erigeron sivinskii*]
Nesom, G.L. 1992. Taxonomic notes on *Erigeron* (Asteraceae: Astereae) of California, Nevada, and Arizona. Phytologia 73(3):186-202.
Nesom, G.L. 2004. Taxonomic reevaluations in North American *Erigeron* (Asteraceae: Astereae). Sida 21(1):19-39.
Nesom, G.L. 2004. *Erigeron peregrinus* and *Erigeron glacialis* (Asteraceae: Astereae). Sida 21(2):665-672.
Nesom, G.L. 2006. *Erigeron*, p. 256-348. IN: Flora of North America, vol. 20. Oxford University Press.

Nesom, G.L. and B. Hevron. 1995. *Erigeron bistiensis* (Asteraceae: Astereae): A new species from northwestern New Mexico. Madroo 42:12-18.
Nesom, G.L. & D.F. Murray. 2004. Notes on North American arctic and boreal species of *Erigeron* (Asteraceae: Astereae). Sida 21(1):41-57.
Nesom, G.L. & V.D. Roth. 1981. *Erigeron scopulinus* (Compositae), an endemic from the southwestern United States. J. Ariz.-Nev. Acad. Sci. 16:39-42.
Spellenberg, R. and P. Knight. 1989. A new species of *Erigeron* (Asteraceae) from central New Mexico. Madroño 36:115-121. [*Erigeron acomanus*]
Tonne, P. & T.K. Lowrey. 1998. An analysis of taxonomic boundaries between *Erigeron pulcherrimus* and *Erigeron bistiensis*. Report for Energy, Minerals and Natural Resources Department, State of New Mexico.

abajoensis Cronquist [Heil 2004]
Abajo fleabane

accedens Greene = Erigeron divergens Torrey & Gray

+acomanus Spellenberg & Knight [Spellenberg & Knight 1989]
Acoma fleabane

acris Linnaeus var. ***kamtschaticus*** (A.P. de Candolle) Herder [Hartman 2003]
bitter fleabane

acris Linnaeus var. asteroides (Andrzejowski ex Besser) A.P. de Candolle : This name restricted by Nesom (2006) and others for Eurasian endemics. North American plants are referred to Erigeron acris Linnaeus var kamtschaticus (A.P. de Candoll) Herder.

acris Linnaeus var. *debilis* Gray = Erigeron nivalis Nuttall

annuus (Linnaeus) Persoon of NM reports = Erigeron strigosus Muhlenberg ex Willdenow

aphanactis (Gray) Greene [M&H; W&S]
shaggy fleabane
Erigeron concinnus (Hooker & Arnott) Torrey & Gray var. *aphanactis* Gray

arenarius Greene = Erigeron bellidiastrum Nuttall var. arenarius

arizonicus A. Gray [M&H; W&S]
Arizona fleabane
Erigeron rusbyi Gray

bakeri Wooton & Standley = Erigeron subtrinervis Rydberg

bellidiastrum Nuttall var. ***arenarius*** (Greene) Nesom [Nesom 1990; W&S]
western fleabane
Erigeron arenarius Greene

bellidiastrum Nuttall var. ***bellidiastrum*** [M&H; W&S]
western fleabane
Erigeron bellidiastrum Nuttall var. *typicus* Cronquist
Erigeron eastwoodiae Wooton & Standley

bellidiastrum Nuttall var. ***robustus*** Cronquist [M&H]
western fleabane

bellidiastrum Nuttall var. *typicus* Cronquist = Erigeron bellidiastrum Nuttall var. bellidiastrum

bigelovii Gray [M&H]
Bigelow's fleabane

bonariensis Linnaeus = Conyza bonariensis (Linnaeus) Cronquist

brandegeei Gray : Reported as expected by M&H; awaits verification.

bistiensis Nesom & Hevron = Erigeron pulcherrimus Heller

caespitosus Nuttall [M&H; W&S]
tufted fleabane

callianthemus Greene = Erigeron glacialis (Nuttall) A. Nelson var. glacialis

canadensis Linnaeus = Conyza canadensis (Linnaeus) Cronquist var. canadensis

canadensis Linnaeus var. glabrata Gray = Conyza canadensis (Linnaeus) Cronquist var. glabrata (Gray) Cronquist

canus Gray [M&H; W&S]
hoary fleabane
Wyomingia cana (Gray) A. Nelson

colomexicanus A. Nelson = Erigeron tracyi Greene

commixtus Greene = Erigeron flagellaris Gray

compactus Blake var. *consimilis* (Cronquist) S.F. Blake = Erigeron consimilis Cronquist

compositus Pursh var. glabratus Macoun (=Erigeron compositus Pursh) : Reported as expected by M&H; awaits verification.
Erigeron compositus Pursh var. *multifidus* (Rydberg) Macbride & Payson
Erigeron multifidus Rydberg

compositus Pursh var. *multifidus* (Rydberg) Macbride & Payson = Erigeron compositus Pursh

compositus Pursh var. *pinnatisectus* (Gray) = Erigeron pinnatisectus (Gray) A. Nelson

concinnus (Hooker & Arnott) Torrey & Gray var. *aphanactis* Gray = Erigeron aphanactis (Gray) Greene

concinnus (Hooker & Arnott) Torrey & Gray var. ***concinnus*** [M&H; W&S]
Navajo fleabane
Erigeron pumilus Nuttall subsp. *concinnoides* Cronquist
Erigeron setulosus Greene

concinnus (Hooker & Arnott) Torrey & Gray var. ***condensatus*** D.C. Eaton [Nesom 1983]
Navajo fleabane

concinnus (Hooker & Arnott) Torrey & Gray var. ***subglaber*** [Nesom 1983]
Navajo fleabane

consimilis Conquist [Heil et al. 2002]
San Rafael fleabane

Erigeron compactus Blake var. *consimilis* (Cronquist) S.F. Blake

coulteri Porter [M&H; W&S]

Coulter's fleabane

delphinifolius Willdenow subsp. *neomexicanus* (Gray) Cronquist = Erigeron neomexicanus Gray

delphinifolius Willdenow subsp. *neomexicanus* (Gray) Cronquist var. *oreophilus* (Greenman) Cronquist = Erigeron oreophilus Greenman

deminutus Wooton & Standley = Erigeron formosissimus Greene

divergens Torrey & Gray [M&H; W&S]

spreading fleabane

Erigeron accedens Greene

Erigeron divergens Torrey & Gray var. *typicus* Cronquist

Erigeron wootonii Rydberg

divergens Torrey & Gray var. *cinereus* Gray = Erigeron tracyi Greene

divergens Torrey & Gray var. *nudiflorus* A. Nelson = Erigeron flagellaris Gray

divergens Torrey & Gray var. *typicus* Cronquist = Erigeron divergens Torrey & Gray

eastwoodiae Wooton & Standley = Erigeron bellidiastrum Nuttall var. bellidiastrum

eatonii Gray [Heil et al. 2002; W&S]

Eaton's fleabane

elatior (Gray) Greene [M&H]

tall fleabane

engelmannii A. Nelson [Heil et al. 2002]

Engelmann's fleabane

eximius Greene [M&H; W&S]

spruce-fir fleabane

Erigeron superbus Greene ex Rydberg

flagellaris Gray [M&H; W&S]

whiplash fleabane

Erigeron commixtus Greene

Erigeron divergens Torrey & Gray var. *nudiflorus* A. Nelson

Erigeron flagellaris Gray var. *typicus* Cronquist

Erigeron macdougalii Heller

Erigeron nudiflorus Buckley

Erigeron senilis Wooton & Standley

Erigeron tonsus Wooton & Standley

flagellaris Gray var. *typicus* Cronquist = Erigeron flagellaris Gray

formosissimus Greene var. ***formosissimus*** [M&H; W&S]

beautiful fleabane

Erigeron deminutus Wooton & Standley

Erigeron formosissimus Greene var. *typicus* Cronquist

Erigeron mogollonicus Greene

Erigeron pecosensis Standley

Erigeron smithii Rydberg

formosissimus Greene var. *typicus* Cronquist = Erigeron formosissimus Greene var. formosissimus

formosissimus Greene var. ***viscidus*** (Rydberg) Cronquist [M&H; W&S]

Erigeron viscidus Rydberg

formosissimus Greene var. *viscidus* (Rydberg) Cronquist = Erigeron formosissimus Greene

gilensis Wooton & Standley = Erigeron versicolor (Greenman) Nesom

glabellus Nuttall [M&H; W&S]

streamside fleabane

glacialis (Nuttall) A. Nelson var. ***glacialis*** [M&H; W&S]

subalpine fleabane

Erigeron callianthemus Greene

Erigeron peregrinus (Banks ex Pursh) Greene subsp. *callianthemus* (Greene) Cronquist

Erigeron salsuginosus (Richardson) Gray

grayi Heller = Erigeron pulcherrimus Heller

grandiflorus Hooker [M&H; W&S]

large-flower fleabane

Erigeron leucotrichus Rydberg

Erigeron simplex Greene

Erigeron uniflorus auct.

+hessii Nesom [Nesom 1978]

Hess's fleabane

leiomerus Gray [M&H; W&S]

rockslide fleabane

leiophyllus Greene = Erigeron speciosus (Lindley) A.P. de Candolle

leucotrichus Rydberg = Erigeron simplex Greene

lonchophyllus Hooker [M&H; W&S]

short-ray fleabane
Erigeron minor (Hooker) Rydberg
macdougalii Heller = Erigeron flagellaris Gray
macranthus Nuttall = Erigeron speciosus (Lindley) A.P. de Candolle var. macranthus (Nuttall) Cronquist
melanocephalus (A. Nelson) A. Nelson [M&H; W&S]
black-head fleabane
Erigeron uniflorus Linnaeus var. *melanocephalus* A. Nelson
minor (Hooker) Rydberg = Erigeron lonchophyllus Hooker
modestus Gray [M&H; W&S]
plains fleabane
mogollonicus Greene = Erigeron formosissimus Greene
multifidus Rydberg = Erigeron compositus Pursh
nematophyllus Rydberg : Reported by W&S, but restricted to southern Wyoming and northern Utah and Colorado; NM plants are referred to Erigeron sivinskii Nesom
neomexicanus Gray [M&H; W&S]
New Mexico fleabane
Erigeron delphinifolius Willdenow subsp. *neomexicanus* (Gray) Cronquist
nivalis Nuttall [Hartman et al. 2006; Nesom 2006]
snowy fleabane
Erigeron acris Linnaeus var. *debilis* Gray
nudiflorus Buckley = Erigeron flagellaris Gray
oreophilus Greenman [Nesom 1989]
chaparral fleabane
Erigeron delphinifolius Willdenow subsp. *neomexicanus* (Gray) Cronquist var. *oreophilus* (Greenman) Cronquist
pecosensis Standley = Erigeron formosissimus Greene
peregrinus (Banks ex Pursh) Greene s.s. : Restricted to Pacific Northwest (Nesom 2004)
peregrinus (Banks ex Pursh) Greene subsp. *callianthemus* (Greene) Cronquist = Erigeron glacialis (Nuttall) A. Nelson var. glacialis
philadelphicus Linnaeus var. ***philadelphicus*** [M&H; W&S]
Philadelphia fleabane
pinnatisectus (Gray) A. Nelson [M&H; W&S]
feather-leaf fleabane
Erigeron compositus Pursh var. *pinnatisectus* Gray
platyphyllus Greene = Erigeron vreelandii Greene
pulcherrimus Heller [M&H; W&S]
basin fleabane
Erigeron bistiensis Nesom & Hevron
Erigeron grayi Heller
Erigeron pulcherrimus Heller var. *typicus* Cronquist
Erigeron pulcherrimus Heller var. *wyomingia* (Rydberg) Cronquist
Erigeron wyomingia Rydberg
Wyomingia cinerea A. Nelson
Wyomingia pulcherrima A. Nelson
pulcherrimus Heller var. *typicus* Cronquist = Erigeron pulcherrimus Heller
pulcherrimus Heller var. *wyomingia* (Rydberg) Cronquist = Erigeron pulcherrimus Heller
pumilus Nuttall subsp. *concinnoides* Cronquist = Erigeron concinnus (Hooker & Arnott) Torrey & Gray
pumilus Nuttall var. ***pumilus*** [Nesom 1992]
pygmy fleabane
rhizomatus Cronquist [M&H]
Zuni fleabane
rudis Wooton & Standley = Erigeron vreelandii Greene
rusbyi Gray = Erigeron arizonicus A. Gray
+***rybius*** Nesom [Nesom 1982]
Sacramento Mt. fleabane
salsuginosus (Richardson) Gray = Erigeron glacialis (Nuttall) A. Nelson var. glacialis
schiedeanus Lessing = Laennecia schiedeana (Lessing) Nesom
scopulinus Nesom and Roth [Nesom & Roth 1981]
Rocky Mountain fleabane
semirasus Wooton & Standley = Erigeron vreelandii Greene
senilis Wooton & Standley = Erigeron flagellaris Gray
setulosus Greene = Erigeron concinnus (Hooker & Arnott) Torrey & Gray
simplex Greene = Erigeron grandiflorum Hooker
sivinskii Nesom [Nesom 1991]
Sivinski's fleabane
smithii Rydberg = Erigeron formosissimus Greene
sparsifolius Eastwood [M&H] Note: Not reported for NM by Nesom (2006); perhaps warrants verification.
canyon fleabane

Erigeron utahensis Gray var. *sparsifolius* (Eastwood) Cronquist

speciosus (Lindley) A.P. de Candolle [M&H; W&S]

aspen fleabane

Erigeron leiophyllus Greene

Erigeron macranthus Nuttall

Erigeron speciosus (Lindley) A.P. de Candolle var. *macranthus* (Nuttall) Cronquist

Erigeron speciosus (Lindley) A.P. de Candolle var. *typicus* Cronquist

speciosus (Lindley) A.P. de Candolle var. *typicus* Cronquist = Erigeron speciosus (Lindley) A.P. de Candolle

stenophyllus Gray = Erigeron utahensis A. Gray

strigosus Muhlenberg ex Willdenow [Allred 1999; Nesom 2006]

eastern fleabane

Erigeron annuus (Linnaeus) Persoon of NM reports

Erigeron annuus (Linnaeus) Persoon subsp. *strigosus* (Muhlenberg ex Willdenow) Wagenitz

+subglaber Cronquist [M&H]

hairless fleabane

subtrinervis Rydberg ex Porter & Britton [M&H; W&S]

three-nerve fleabane

Erigeron bakeri Wooton & Standley

Erigeron subtrinervis Rydberg ex Porter & Britton subsp. *typicus* Cronquist

subtrinervis Rydberg ex Porter & Britton subsp. *typicus* Cronquist = Erigeron subtrinervis Rydberg ex Porter & Britton

superbus Greene ex Rydberg = Erigeron eximius Greene

tonsus Wooton & Standley = Erigeron flagellaris Gray

tracyi Greene [M&H; W&S]

running fleabane

Erigeron colomexicanus A. Nelson

Erigeron divergens Torrey & Gray var. *cinereus* Gray

uniflorus auct. = Erigeron simplex Greene

ursinus D.C. Eaton [Spellenberg et al. 1986]

Bear River fleabane

utahensis A. Gray [Nesom 2006; W&S]

Utah fleabane

Erigeron stenophyllus Gray

uniflorus Linnaeus var. *melanocephalus* A. Nelson = Erigeron melanocephalus (A. Nelson) A. Nelson

utahensis Gray var. *sparsifolius* (Eastwood) Cronquist = Erigeron sparsifolius Eastwood

versicolor (Greenman) Nesom [M&H; W&S]

bald fleabane

Achaetogeron versicolor Greenman

Erigeron gilensis Wooton & Standley

Achaetogeron chihuahuensis Larsen ex Blake

vetensis Rydberg [M&H; W&S]

blue-top fleabane

viscidus Rydberg = Erigeron formosissimus Greene

vreelandii Greene [M&H; W&S]

broad-leaf fleabane

Erigeron platyphyllus Greene

Erigeron rudis Wooton & Standley

Erigeron semirasus Wooton & Standley

wootonii Rydberg = Erigeron divergens Torrey & Gray

wyomingia Rydberg = Erigeron pulcherrimus Heller var. pulcherrimus

Eriocarpum wootonii Greene = Xanthisma spinulosum (Pursh) Morgan & Hartman var. spinulosum

Eriophyllum Easter-bonnets

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Eriophyllum lanosum*]

lanosum (Gray) Gray [Allred 1999]

Easter-bonnets

Antheropeas lanosum (Gray) Rydberg

oblongifolium (Gray) Kuntze = Platyschkuhria integrifolia (Gray) Rydberg var. oblongifolia (Gray) Ellison

pedatum (Gray) Kuntze = Bahia pedata Gray

Erythemia grandiflora Nuttall = Lygodesmia grandiflora (Nuttall) Torrey & Gray

Eschenbachia coulteri (A. Gray) Rydberg = Laennecia coulteri (A. Gray) Nesom

tenuisecta (Gray) Wooton & Standley = Laennecia sophiifolia (Kunth) Nesom

Eucephalus formosus Greene = Eurybia glauca (Nuttall) Nesom

glaucus Nuttall = Eurybia glauca (Nuttall) Nesom

Eupatorium thoroughwort

King, R.M. & H. Robinson. 1987. The genera of the Eupatorieae (Asteraceae). Monogr. Syst. Bot. 22.

Schilling, E.E., J.L. Panero, & P.B. Cox. 1999. Chloroplast DNA restriction site data support a narrowed interpretation of *Eupatorium* (Asteraceae). Plant Syst. Evol. 219:209-223.

arizonicum Greene = Ageratina herbacea (Gray) R.M. King & H.E. Robinson

bruneri Gray = Eutrochium maculatum (Linnaeus) E.E. Lamont var. bruneri (Gray) E.E. Lamont
fendleri (Gray) Gray = Brickelliastrum fendleri (Gray) King & H.E. Robinson
greggii Gray = Conoclinium dissectum Gray
herbaceum (Gray) Greene = Ageratina herbacea (Gray) R.M. King & H.E. Robinson
maculatum Linnaeus var. *bruneri* (Gray) Breitung = Eutrochium maculatum (Linnaeus) E.E. Lamont var. bruneri (Gray) E.E. Lamont
pycnocephalum sensu NM authors = Fleischmannia sonorae (Gray) King & Robinson
rothrockii Gray = Ageratina rothrockii (Gray) R.M. King & H.E. Robinson
solidaginifolium Gray = Koanophyllon solidaginifolium (Gray) R.M. King & H.E. Robinson
wrightii Gray = Ageratina wrightii (Gray) R.M. King & H.E. Robinson
Eurybia glauca (Nuttall) Nesom var. *glauca* = Herrickia glauca (Nuttall) Brouillet
horrida (Wooton & Standley) Nesom = Herrickia horrida Wooton & Standley

Euthamia goldentop
Fernald, M.L. 1950. Gray's Manual of Botany. 8th ed. Repr. by Dioscorides Press, Portland Oregon.1632 pp. [*Euthamia graminifolia*]
Sieren, D.J. 1981. The taxonomy of the genus *Euthamia*. Rhodora 83:551-579.
graminifolia (Linnaeus) Greene [Fernald 1950]
flat-top goldentop
occidentalis Nuttall [M&H; W&S]
western goldentop
Solidago occidentalis (Nuttall) Torrey & Gray
Euphrosyne ambrosiifolia A. Gray = Hedosyne ambrosiifolia (A. Gray) Strother

Eutrochium Joe-Pye-weed
King, R.M. & H. Robinson. 1987. The genera of the Eupatorieae (Asteraceae). Monogr. Syst. Bot. 22.
Lamont, E.E. 2006. *Eutrochium*, pp. 474-478. IN: Flora of North America, vol. 21. Oxford University Press, New York.
maculatum (Linnaeus) E.E. Lamont var. ***bruneri*** (Gray) E.E. Lamont [M&H; W&S]
spotted Joe-Pye-weed
Eupatorium bruneri Gray
Eupatorium maculatum Linnaeus var. *bruneri* (Gray) Breitung
Evax multicaulis A.P. de Candolle = Diaperia verna (Rafinesque) Morefield
prolifera Nuttall ex A.P. de Candolle = Diaperia prolifera (Nuttall ex A.P. de Candolle) Nuttall var. prolifera
verna Rafinesque = Diaperia verna (Rafinesque) Morefield
Filaginopsis multicaulis Torrey & Gray = Diaperia verna (Rafinesque) Morefield
Filago californica Nuttall = Logfia filaginoides (Hooker & Arnott) Morefield
prolifera (Nuttall ex A.P. de Candolle) Britton = Diaperia prolifera (Nuttall ex A.P. de Candolle) Nuttall var. prolifera

Flaveria yellowtops
Powell, A.M. 1978. Systematics of *Flaveria* (Flaveriinae--Asteraceae). Ann. Missouri Bot. Gard. 65:590-636.
campestris J.R. Johnston [M&H; W&S]
alkali yellowtops
chlorifolia Gray [M&H; W&S]
clasping yellowtops
repanda Lagasca = Flaveria trinervia (Sprengel) C. Mohr
trinervia (Sprengel) C. Mohr [M&H; W&S]
clustered yellowtops
Flaveria repanda Lagasca
Oedera trinervia Sprengel

Fleischmannia thoroughwort
sonorae (Gray) King & Robinson [M&H]
Sonoran thoroughwort
Eupatorium pycnocephalum of NM authors
Eupatorium sonorae Gray

Flourensia tarbush
Dillon, M.O. 1984. A systematic study of *Flourensia* (Asteraceae, Heliantheae). Fieldiana: Botany 16:1-66.
cernua A.P. de Candolle [M&H]
tarbush
pringlei (Gray) Blake [M&H]
Pringle's tarbush
Helianthella pringlei Gray

Franseria
acanthicarpa (Hooker) Coville = Ambrosia acanthicarpa Hooker
confertiflora (A.P. de Candolle) Rydberg = Ambrosia confertiflora A.P. de Candolle
discolor Nuttall = Ambrosia tomentosa Nuttall
tenuifolia Gray = Ambrosia confertiflora A.P. de Candolle
tomentosa Gray = Ambrosia grayii (A. Nelson) Shinners
tomentosa (Nuttall) A. Nelson = Ambrosia tomentosa Nuttall
Gaertneria acanthicarpa (Hooker) Britton = Ambrosia acanthicarpa Hooker
grayi A. Nelson
tenuifolia (Gray) Kuntze = Ambrosia confertiflora A.P. de Candolle
tomentosa (Nuttall) Heller = Ambrosia tomentosa Nuttall

Gaillardia blanket-flower

Biddulph, S.F. 1944(1945). A revision of the genus *Gaillardia*. Res. Stud. State Coll. Wash. 12:195-256.
Strother, J.L. 2006. *Gaillardia*, pp. 421-426. IN: Flora of North America, vol. 21. Oxford University Press, New York. [*Gaillardia multiceps*]
Turner, B.L. & M. Whalen. 1975. Taxonomic study of *Gaillardia pulchella* (Asteraceae-Heliantheae). Wrightia 5:189-192.

aristata Pursh [Great Plains Flora Association 1977]
great blanket-flower

multiceps Greene [Strother 2006]
onion blanket-flower

neomexicana A. Nelson = Gaillardia pulchella Fougeroux

pinnatifida Torrey [M&H; W&S]
red-dome blanket-flower

pulchella Fougeroux [M&H; W&S]
firewheel
Gaillardia neomexicana A. Nelson

Galinsoga gallant soldier

aristulata Bicknell = Galinsoga ciliata (Rafinesque) Blake

ciliata (Rafinesque) Blake [=Galinsoga quadriradiata Ruis & Pavon] : Reported as expected by M&H map; awaits verification.
Galinsoga parviflora Cavanilles var. *hispida* A.P. de Candolle
Galinsoga aristulata Bicknell

****parviflora*** Cavanilles [M&H; W&S]
gallant soldier
Galinsoga parviflora Cavanilles var. *semicalva* Gray
Galinsoga semicalva (Gray) St. John & White

parviflora Cavanilles var. *hispida* A.P. de Candolle = Galinsoga ciliata (Rafinesque) Blake

parviflora Cavanilles var. *semicalva* Gray = Galinsoga parviflora Cavanilles

semicalva (Gray) St. John & White = Galinsoga parviflora Cavanilles

Gamochaeta everlasting

Allred, K.W. 2004. Plant distribution reports. The New Mexico Botanist 30:7. [as *G. rosacea*]
Nesom, G.L. 2004. New distribution records for *Gamochaeta* (Asteraceae: Gnaphalieae) in the United States. Sida 21(2):1175-1185. [*Gamochaeta stagnalis*]

stagnalis (I.M. Johnston) Anderberg [Nesom 2004]
rosy everlasting
Gnaphalium stagnale I.M. Johnston

rosacea (I.M. Johnston) Anderberg : Erroneously reported by Allred (2004); the specimen corrected to Gamochaeta stagnalis (I.M. Johnston) Anderberg by Nesom (2004).

Gazania treasure-flower

Mahoney, A.M. 2006. *Gazania*, p. 196-197. IN: Flora of North America, vol. 19. Oxford University Press, New York.

****linearis*** (Thunberg) Druce [Mahoney 2006]
treasure-flower

Gerbera lyrata Schultz-Bipontinus = Leibnitzia lyrata (Schultz-Bipontinus) G.L. Nesom

Gnaphalium cudweed

Cronquist, A. 1994. *Gnaphalium*, pp. 362-366. IN: Intermountain Flora, vol. 5. New York Botanical Garden.
Nesom, G.L. 2001. New records in *Pseudognaphalium* (Asteraceae: Gnaphalieae) for the United States. Sida 19(4):1185-1190.

angustifolium A. Nelson = Gnaphalium exilifolium A. Nelson

canescens A.P. de Candolle = Pseudognaphalium canescens (A.P. de Candolle) W.A. Weber

chilense Sprengel = Pseudognaphalium stramineum (Kunth) W.A. Weber

decurrens Ives = Pseudognaphalium macounii (Greene) Kartesz

exilifolium A. Nelson [M&H]
slender cudweed
Gnaphalium angustifolium A. Nelson
Gnaphalium grayi A. Nelson & Macbride
Gnaphalium strictum Torrey

grayi A. Nelson & Macbride = Gnaphalium exilifolium A. Nelson

jaliscense Greenman = Pseudognaphalium jaliscense (Greenman) A. Anderberg

leucocephalum Gray = Pseudognaphalium leucocephalum (Gray) A. Anderberg

leuteoalbum Linnaeus = Pseudognaphalium leuteoalbum (Linnaeus) Hilliard & Burtt

macounii Greene = Pseudognaphalium macounii (Greene) Kartsz

palustre Nuttall [M&H]
western marsh cudweed

pringlei Gray = Pseudognaphalium pringlei (Gray) A. Anderberg

stagnale I.M. Johnston = Gamochaeta stagnalis (I.M. Johnston) Anderberg

stramineum Humboldt, Bonpland, & Kunth = Pseudognaphalium stramineum (Kunth) W.A. Weber

strictum Gray = Gnaphalium exilifolium A. Nelson

sulphurescens Rydberg = Pseudognaphalium stramineum (Kunth) W.A. Weber

viridulum I. M. Johnston = Pseudognaphalium canescens (A.P. de Candolle) W.A. Weber

wrightii Gray = Pseudognaphalium canescens (A.P. de Candolle) W.A. Weber

Grindelia gumweed

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Grindelia laciniata*]
Harms, R.T. 2001. Radiate and eradiate individuals in *Grindelia nuda* (Asteraceae). Sida 19(3):715-717.
Nesom, G.L. 1990. Studies in the systematics of Mexican and Texas *Grindelia* (Asteraceae: Astereae). Phytologia 68(4):303-332.
Nesom, G.L., Y. Suh, and B.B. Simpson. 1993. *Prionopsis* (Asteraceae: Astereae) united with *Grindelia*. Phytologia 75:341-346.

Steyermark, J.A. 1934. Studies in *Grindelia*. II. A monograph of the North American species of the genus *Grindelia*. Ann. Missouri Bot. Gard. 21:433-608.
Strother, J.L. & M.A. Wetter. 2006. *Grindelia*, p. 424-436. IN: Flora of North America, vol. 20. Oxford University Press.
Wetter, M.A. 1986. *Grindelia*, pp. 943-945. IN: Great Plains Flora Association. Flora of the Great Plains. University Press of Kansas.

acutifolia Steyermark = Grindelia hirsutula Hooker & Arnott

aphanactis Rydberg = Grindelia squarrosa Dunal

arizonica Gray var. ***arizonica*** [M&H; W&S]

Arizona gumweed

Grindelia arizonica Gray var. *dentata* Steyermark

Grindelia arizonica Gray var. *stenophylla* Steyermark

Grindelia laciniata Rydberg

Grindelia setulifera Wooton & Standley

arizonica Gray var. *dentata* Steyermark = Grindelia arizonica Gray var. arizonica

+arizonica Gray var. ***neomexicana*** (Wooton & Standley) Nesom [M&H; W&S]

New Mexico gumweed

Grindelia neomexicana Wooton & Standley

Grindelia scabra Greene var. *neomexicana* (Wooton & Standley) Steyermark

arizonica Gray var. *stenophylla* Steyermark = Grindelia arizonica Gray var. arizonica

ciliata (Nuttall) Sprengel [M&H]

Spanish gold

Grindelia papposa Nesom & Suh

Haplopappus ciliatus (Nuttall) A.P. de Candolle

Prionopsis ciliata Nuttall

decumbens Greene var. ***subincisa*** (Greene) Steyermark [M&H; W&S]

reclined gumweed

Grindelia subincisa Greene

havardii Steyermark [M&H]

Havard's gumweed

hirsutula Hooker & Arnott [M&H; Wetter 1986]

hairy gumweed

Grindelia acutifolia Steyermark

Grindelia revoluta Steyermark

laciniata Rydberg = Grindelia arizonica A. Gray

neomexicana Wooton & Standley = Grindelia arizonica Gray var. neomexicana (Wooton & Standley) Nesom

nuda Wood = Grindelia squarrosa (Pursh) Dunal

nuda Wood var. *aphanactis* (Rydberg) Nesom = Grindelia squarrosa (Pursh) Dunal

papposa Nesom & Suh = Grindelia ciliata (Nuttall) Sprengel

pinnatifida Wooton & Standley = Grindelia squarrosa Dunal

scabra Greene var. *neomexicana* (Wooton & Standley) Steyermark = Grindelia arizonica Gray var. neomexicana (Wooton & Standley) Nesom

revoluta Steyermark = Grindelia hirsutula Hooker & Arnott

scabra Greene [M&H; W&S]

rough gumweed

serrulata Rydberg = Grindelia squarrosa (Pursh) Dunal

setulifera Wooton & Standley = Grindelia arizonica Gray var. arizonica

squarrosa (Pursh) Dunal var. *nuda* (Wood) Gray = Grindelia squarrosa Dunal

squarrosa (Pursh) Dunal var. *serrulata* (Rydberg) Steyermark = Grindelia squarrosa Dunal

squarrosa (Pursh) Dunal [M&H; W&S]

curly-cup gumweed

Donia squarrosa Pursh

Grindelia aphanactis Rydberg

Grindelia nuda Wood

Grindelia pinnatifida Wooton & Standley

Grindelia serrulata Rydberg

Grindelia squarrosa (Pursh) Dunal var. *nuda* (Wood) Gray

Grindelia squarrosa (Pursh) Dunal var. *serrulata* (Rydberg) Steyermark

subalpina Greene : Reported by W&S, but questioned by M&H and other workers; needs additional verification.

subincisa Greene = Grindelia decumbens Greene var. subincisa (Greene) Steyermark

texana Scheele : Reported by W&S, but questioned by M&H and other workers; needs additional verification.

Guardiola diehlii Jones : Reported by W&S, not treated by M&H; needs verification.

Gutierrezia snakeweed

Lane, M. 1982. Generic limits of *Xanthocephalum*, *Gutierrezia*, *Amphiachyris*, *Gymnosperma*, *Greenella*, and *Thurovia* (Compositae: Astereae). Syst. Bot. 7(4):405-416.
Lane, M. 1985. Taxonomy of *Gutierrezia* (Compositae: Astereae) in North America. Syst. Bot. 10:7-28.
Nesom, G.L. 2006. *Gutierrezia*, p. 88-94. IN: Flora of North America, vol. 20. Oxford University Press, New York.

corymbosa A. Nelson = Gutierrezia sarothrae (Pursh) Britton & Rusby

diversifolia Greene = Gutierrezia sarothrae (Pursh) Britton & Rusby

dracunculoides (A.P. de Candolle) Blake = Amphiachyris dracunculoides (A.P. de Candolle) Nuttall

filifolia Greene = Gutierrezia sarothrae (Pursh) Britton & Rusby

furfuracea Greene = Gutierrezia sarothrae (Pursh) Britton & Rusby

globosa Nelson = Gutierrezia sarothrae (Pursh) Britton & Rusby
glomerella Greene = Gutierrezia microcephala (A.P. de Candolle) Gray
goldmanii Greene = Gutierrezia sarothrae (Pursh) Britton & Rusby
juncea Greene = Gutierrezia sarothrae (Pursh) Britton & Rusby
linearis Rydberg = Gutierrezia sarothrae (Pursh) Britton & Rusby
longifolia Greene = Gutierrezia sarothrae (Pursh) Britton & Rusby
lucida Greene = Gutierrezia microcephala (A.P. de Candolle) Gray
microcephala (A.P. de Candolle) Gray [Lane 1985; M&H; W&S]
thread-leaf snakeweed
Brachyris microcephala A.P. de Candolle
Gutierrezia glomerella Greene
Gutierrezia lucida Greene
Gutierrezia sarothrae (Pursh) Britton var. *microcephala* (A.P. de Candolle) L. Benson
Xanthocephalum microcephalum (A.P. de Candolle) Shinners
sarothrae (Pursh) Britton & Rusby [Lane 1985; M&H; W&S]
broom snakeweed
Gutierrezia corymbosa Nelson
Gutierrezia diversifolia Greene
Gutierrezia filifolia Greene
Gutierrezia furfuracea Greene
Gutierrezia globosa Nelson
Gutierrezia goldmanii Greene
Gutierrezia juncea Greene
Gutierrezia linearis Rydberg
Gutierrezia longifolia Greene
Gutierrezia tenuis Greene
Solidago sarothrae Pursh
Xanthocephalum sarothrae (Pursh) Shinners
sarothrae (Pursh) Britton var. *microcephala* (A.P. de Candolle) L. Benson = Gutierrezia microcephala (A.P. de Candolle) Gray
sphaerocephala Gray [Lane 1985; M&H; W&S]
round-head snakeweed
tenuis Greene = Gutierrezia sarothrae (Pursh) Britton & Rusby
texana (A.P. de Candolle) Torrey & Gray var. ***glutinosa*** (Schauer) M.A. Lane [Nesom 2006]
Texas snakeweed
Gutierrezia glutinosa (Schauer) Schultz-Bipontinus
wrightii A. Gray [Lane 1985; M&H; W&S]
Wright's snakeweed
Xanthocephalum wrightii (A. Gray) A. Gray
Gymnolomia annua B.L. Robinson & J.L. Greenman = Heliomeris longifolia (B.L. Robinson & Greenman) Cockerell var. annua (M.E. Jones) W.F. Yates
brevifolia Greene ex Wooton & Standley = Heliomeris multiflora Nuttall var. brevifolia (Greene ex Wooton & Standley) W.F. Yates
ciliata (B.L. Robinson & J.L. Greenman) Rydberg = Heliomeris hispida (A. Gray) Cockerell
hispida B.L. Robinson & J.L. Greenman var. *ciliata* B.L. Robinson & J.L. Greenman = Heliomeris hispida (A. Gray) Cockerell
longifolia B.L. Robinson & J.L. Greenman = Heliomeris longifolia (B.L. Robinson & Greenman) Cockerell var. longifolia
multiflora (Nuttall) Bentham & Hooker = Heliomeris multiflora Nuttall
multiflora (Nuttall) Bentham & Hooker var. *annua* M.E. Jones = Heliomeris longifolia (B.L. Robinson & Greenman) Cockerell var. annua (M.E. Jones) W.F. Yates
tenuifolia (Gray) Bentham & Hooker = Viguiera stenoloba Blake

Gymnosperma gumhead
Lane, M. 1982. Generic limits of *Xanthocephalum*, *Gutierrezia*, *Amphiachyris*, *Gymnosperma*, *Greenella*, and *Thurovia* (Compositae: Astereae). Syst. Bot. 7(4):405-416.
corymbosum A.P. de Candolle = Gymnosperma glutinosum (Sprengel) Lessing
glutinosum (Sprengel) Lessing [M&H; W&S]
gumhead
Gymnosperma corymbosum A.P. de Candolle
Selloa glutinosa Sprengel

Haploesthes false broomweed
Turner, B.L. 1975. Taxonomy of *Haploesthes* (Asteraceae: Senecioneae). Wrightia 5:108-115.
greggii Gray var. ***texana*** (Coulter) I.M. Johnson [M&H; Turner 1975]
false broomweed
Haplopappus armerioides (Nuttall) Gray = Stenotus armerioides Nuttall
canescens (A.P. de Candolle) Torrey & Gray = Heterotheca canescens (A.P. de Candolle) Shinners
ciliatus (Nuttall) A.P. de Candolle = Grindelia ciliata (Nuttall) Sprengel
croceus Gray = Pyrrocoma crocea (Gray) Greene
cuneatus Gray var. *spathulatus* (Gray) Blake = Ericameria cuneata (Gray) McClatchie var. spathulata (Gray) H.M. Hall
drummondii sensu M&H = Isocoma rusbyi Greene
gracilis (Nuttall) Gray = Xanthisma gracile (Nuttall) Morgan & Hartman
gymnocephalus of authors = Xanthisma blephariphyllum (Gray) Morgan & Hartman

havardii Waterfall = Xanthisma viscidum (Wooton & Standley) Morgan & Hartman
heterophyllus (Gray) Blake = Isocoma pluriflora (Torrey & Gray) Greene
laricifolius Gray = Ericameria laricifolia (Gray) Shinners
microcephalus Cronquist = Lorandersonia microcephalus (Cronquist) Urbatsch, Roberts & Neubig
nuttallii Torrey & Gray = Xanthisma grindelioides (Nuttall) Morgan & Hartman
parryi Gray = Oreochrysum parryi (Gray) Rydberg
phyllocephalus A.P. de Candolle subsp. *annuus* (Rydberg) Hall = Rayjacksonia annua (Rydberg) Hartman & Lane
pluriflorus (Gray) Hall = Isocoma pluriflora (Torrey & Gray) Greene
pygmaeus (Torrey & Gray) Gray = Tonestus pygmaeus (Torrey & Gray) A. Nelson
spinulosus (Pursh) A.P. de Candolle subsp. *australis* (Greene) Hall = Xanthisma spinulosum (Pursh) Morgan & Hartman var. spinulosum
spinulosus (Pursh) A.P. de Candolle subsp. *glaberrimus* (Rydberg) Hall = Xanthisma glaberrimum (Rydberg) Nesom & O'Kennon
spinulosus (Pursh) A.P. de Candolle subsp. *laevis* (Wooton & Standley) Hall = Xanthisma spinulosum (Pursh) Morgan & Hartman var. spinulosum
spinulosus (Pursh) A.P. de Candolle subsp. *scabrellus* (Greene) Hall = Xanthisma spinulosum (Pursh) Morgan & Hartman var. spinulosum
spinulosus (Pursh) A.P. de Candolle = Xanthisma spinulosum (Pursh) Morgan & Hartman var. spinulosum
tenuisectus (Greene) Blake = Isocoma tenuisecta Greene

Hedosyne marsh-elder

Strother, J.L. 2000. *Hedosyne* (Compositae, Ambrosiinae), a new genus for *Iva ambrosiifolia*. Madroño 47(3):204-205.

ambrosiifolia (A. Gray) Strother [M&H; W&S]
ragged marsh-elder
Euphrosyne ambrosiifolia A. Gray
Cyclachaena ambrosiifolia (A. Gray) Rydberg
Iva ambrosiifolia (A. Gray) A. Gray

Hedypnois cretanweed

****cretica*** (Linnaeus) Dumortier [McIntosh 1999]
cretanweed

Heleniastrum hoopesii (Gray) Kuntze = Hymenoxys hoopesii (A. Gray) Bierner

Helenium sneezeweed

Bierner, M. 1972. Taxonomy of *Helenium* sect. *Tetrodus* and a conspectus of North American *Helenium* (Compositae). Brittonia 24:331-355.
Bierner, M.W. 1994. Submersion of *Dugaldia* and *Plummera* in *Hymenoxys* (Asteraceae: Heliantheae: Gaillardiinae). Sida 16(1):1-8.

autumnale Linnaeus var. ***montanum*** (Nuttall) Fernald [M&H; W&S]
fall sneezeweed
Helenium montanum Nuttall
hoopesii A. Gray = Hymenoxys hoopesii (A. Gray) Bierner
microcephalum A.P. de Candolle var. ***microcephalum*** [M&H]
small-head sneezeweed
montanum Nuttall = Helenium autumnale Linnaeus var. montanum (Nuttall) Fernald

Helianthella dwarf sunflower

Hitchcock, C.L. & A. Cronquist. 1973. Flora of the Pacific Northwest. Univ. Washington Press, Seattle. 730 pp. [*Helianthella uniflora*]
Tidestrom, I. & T. Kittell. 1941. A Flora of Arizona and New Mexico. The Catholic University of America Press, Washington, D.C. 897 pp. [*Helianthella uniflora*]
Weber, W.A. 1952. The genus *Helianthella* (Compositae). Amer. Midl. Naturalist 48:1-35.

majuscula Greene = Helianthella quinquenervis (Hooker) Gray
microcephala **(**Gray) Gray [M&H; W&S]
little-head dwarf sunflower
Encelia microcephala Gray
parryi Gray [M&H; W&S; Weber 1952]
Parry's dwarf sunflower
pringlei Gray = Flourensia pringlei (Gray) Blake
quinquenervis (Hooker) Gray [M&H; W&S; Weber 1952]
nodding dwarf sunflower
Helianthella majuscula Greene
Helianthus quinquenervis Hooker
uniflora (Nuttall) Torrey & Gray [Hitchcock & Cronquist 1973; Tidestrom & Kittell 1941]
Rocky Mountain dwarf sunflower

Helianthus sunflower

Chandler, J.M., C.-C. Jan, & B.H. Beard. 1986. Chromosomal differentialtion among the annual *Helianthus* species. Syst. Bot. 11(2):354-371.
Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*H. maximiliani*]
Heiser, C.B. Jr., D.M. Smith, S.B. Clevenger, and W.C. Martin. 1969. The North American sunflowers (*Helianthus*). Mem. Torrey Bot. Club, Vol. 22 (3):1-218.
Jackson, R.C. 1959. Two new sunflower species from southern New Mexico. Madroño 15:54-57.
Jackson, R.C. 1963. Cytotaxonomy of *Helianthus ciliaris* and related species of the southwestern U.S. and Mexico. Brittonia 15:260-271.
New Mexico Rare Plant Technical Council. 1999. New Mexico Rare Plants. Albuquerque, NM: New Mexico Rare Plants Home Page. http://nmrareplants.unm.edu (Version 16Mar00) [*Helianthus praetermissus*]
Seiler, G.J., L. Cuk, and C.E. Rogers. 1981. New and interesting distribution records for *Helianthus paradoxus* Heiser (Asteraceae). Southw. Naturalist 26:431-432.
Sivinski, R. 1993. Noteworthy collections (New Mexico). Madroño 40:273-274. [*Helianthus paradoxus*]
Watson, E.E. 1929. Contributions to a monograph of the genus *Helianthus*. Papers of the Michigan Academy of Science, Arts, and Letters 9:305-475. [*Helianthus attenuatus*, *H. praetermissus*]

annuus Linnaeus [M&H; W&S]

annual sunflower, common sunflower
Helianthus aridus Rydberg
anomalus Blake : Erroneously reported by Chandler et al. (1986) from "New Mexico, Hopi Indian Reservation"; known only from Utah, Arizona, and Nevada.
aridus Rydberg = Helianthus annuus Linnaeus
arizonensis Jackson [Jackson 1963; M&H]
Arizona sunflower
attenuatus E.E. Watson : The identity of this name is uncertain. It was named from a specimen grown in Tennessee from seed gathered in NM by A. Fendler in 1852. There is a single specimen at MO (Watson 1929).
canus (Britton) Wooton & Standley = Helianthus petiolaris Nuttall var. canescens Gray
ciliaris A.P. de Candolle [M&H; W&S]
Texas blueweed
crenatus Jackson = Helianthus laciniatus Gray
dentatus Cavanilles = Viguiera dentata (Cavanilles) Sprengel
fascicularis Greene = Helianthus nuttallii Torrey & Gray
grosseserratus Martens : Reported by W&S, but this species not known from NM; the plants in question are referrable to Helianthus nuttallii Torrey & Gray [Heiser et al. 1969].
heiseri Jackson = Helianthus laciniatus Gray
laciniatus Gray [Jackson 1959; M&H]
alkali sunflower
Helianthus crenatus Jackson
Helianthus heiseri Jackson
Helianthus laciniatus Gray subsp. *crenatus* (Jackson) Jackson
Helianthus laciniatus Gray subsp. *heiseri* (Jackson) Jackson
laciniatus Gray subsp. *crenatus* (Jackson) Jackson = *laciniatus* Gray subsp. *crenatus* (Jackson) Jackson
laciniatus Gray subsp. *heiseri* (Jackson) Jackson = *laciniatus* Gray subsp. *heiseri* (Jackson) Jackson
×laetiflorus Persoon (in part) : this presumably hybrid derivative (perhaps mainly a cultigen) was reported for NM as an escape from gardens by Gleason (1963); awaits verification of established occurrence.
laetiflorus Persoon var. *subrhomboideus* (Rydberg) Fernald = Helianthus pauciflorus Nuttall subsp. subrhomboideus (Rydberg) O. Spring & E.E. Schilling
maximiliani Schrader [Heil et al. 2002]
Michaelmas daisy, Maximilian sunflower
neglectus Heiser [M&H]
neglected sunflower
neomexicanus Wooton & Standley = Helianthus tuberosus Linnaeus
niveus (Bentham) Brandegee subsp. *canescens* (Gray) Heiser = Helianthus petiolaris Nuttall var. canescens Gray
nuttallii Torrey & Gray [M&H; W&S]
Nuttall's sunflower
Helianthus fascicularis Greene
paradoxus Heiser [Seiler et al. 1981; Sivinski 1993]
Trans-Pecos sunflower
petiolaris Nuttall var. ***canescens*** Gray [M&H; W&S]
plains sunflower
Helianthus canus (Britton) Wooton & Standley
Helianthus niveus (Bentham) Brandegee subsp. *canescens* (Gray) Heiser
petiolaris Nuttall subsp. ***fallax*** Heiser [M&H]
plains sunflower
petiolaris Nuttall subsp. ***petiolaris*** [M&H; W&S]
plains sunflower
praetermissus E.E. Watson : Reported by Tidestrom & Kittell (1941) and Watson (1929), but the occurrence in NM and the validity of this taxon is seriously in question (New Mexico Rare Plant Technical Council 1999; Sivinski & Lightfoot 1995).
quinquenervis Hooker = Helinthella quinquenervis (Hooker) Gray
pauciflorus Nuttall subsp. ***subrhomboideus*** (Rydberg) O. Spring & E.E. Schilling [M&H; W&S]
stiff sunflower
Helianthus laetiflorus Persoon var. *subrhomboideus* (Rydberg) Fernald
Helianthus rigidus (Cassini) Desfontaines subsp. *subrhomboideus* (Rydberg) Heiser
Helianthus scaberrimus Bentham var. *subrhomboideus* (Rydberg) Farwell
Helianthus subrhomboideus Rydberg
rigidus (Cassini) Desfontaines subsp. *subrhomboideus* (Rydberg) Heiser = Helianthus pauciflorus Nuttall subsp. subrhomboideus (Rydberg) O. Spring & E.E. Schilling
scaberrimus Bentham var. *subrhomboideus* (Rydberg) Farwell = Helianthus pauciflorus Nuttall subsp. subrhomboideus (Rydberg) O. Spring & E.E. Schilling
subrhomboideus Rydberg = Helianthus pauciflorus Nuttall subsp. subrhomboideus (Rydberg) O. Spring & E.E. Schilling
tuberosus Linnaeus [M&H; W&S]
Jerusalem artichock
Helianthus neomexicanus Wooton & Standley

Heliomeris goldeneye

Schilling, E.E. 2006. *Heliomeris*, pp. 169-172. IN: Flora of North America, vol. 21(3). Oxford University Press.
Yates, W.F. & C.B. Heiser. 1979. Synopsis of *Heliomeris*. Proc. Indiana Acad. Sci. 88:364-372.

hispida (Gray) Cockerell [M&H; W&S]
rough goldeneye
Viguiera ciliata (B.L. Robinson & J.L. Greenman) Blake
Gymnolomia ciliata (B.L. Robinson & J.L. Greenman) Rydberg
Gymnolomia hispida B.L. Robinson & J.L. Greenman var. *ciliata* B.L. Robinson & J.L. Greenman

longifolia (B.L. Robinson & J.L. Greenman) Cockerell var. ***annua*** (M.E. Jones) W.F. Yates [M&H; W&S]
annual goldeneye
Gymnolomia annua (M.E. Jones) B.L. Robinson & J.L. Greenman
Gymnolomia multiflora (Nuttall) Bentham & Hooker var. *annua* M.E. Jones
Viguiera longifolia (B.L. Robinson & J.L. Greenman) Blake var. *annua* (M.E. Jones) Welsh

longifolia (B.L. Robinson & J.L. Greenman) Cockerell var. ***longifolia*** [M&H; W&S]
long-leaf goldeneye
Viguiera longifolia (B.L. Robinson & J.L. Greenman) Blake
Gymnolomia longifolia B.L. Robinson & J.L. Greenman

multiflora Nuttall var. ***brevifolia*** (Greene ex Wooton & Standley) W.F. Yates [Schilling 2006; W&S]
showy goldeneye
Gymnolomia brevifolia Greene ex Wooton & Standley, not Viguiera brevifolia Greenman
Viguiera multiflora (Nuttall) Blake var. *ovalis* Blake
Viguiera ovalis Blake

multiflora Nuttall var. ***multiflora*** [M&H; W&S]
showy goldeneye
Gymnolomia multiflora (Nuttall) Bentham & Hooker
Viguiera multiflora (Nuttall) S.F. Blake

multiflora Nuttall var. ***nevadensis*** (A. Nelson) W.F. Yates [Schilling 2006]
showy goldeneye
Gymnolomia nevadensis A. Nelson

tenuifolia Gray = Viguiera stenoloba Blake

Heliopsis oxeye

Fisher, T.R. 1957. Taxonomy of genus *Heliopsis* (Compositae). Ohio J. Sci. 57:171-191.
Smith, A. 2006. *Heliopsis*, pp. 67-70. IN: Flora of North America, vol. 21. Oxford University Press.

helianthoides (Linnaeus) Sweet subsp. *occidentalis* Fisher = Heliopsis helianthoides (Linnaeus) Sweet var. scabra (Dunal) Fernald

helianthoides (Linnaeus) Sweet var. ***scabra*** (Dunal) Fernald [Fisher 1957]
smooth oxeye
Heliopsis helianthoides (Linnaeus) Sweet subsp. *occidentalis* Fisher

parvifolia Gray [Fisher 1957; M&H]
mountain oxeye

Hemiptilium bigelovii Gray = Stephanomeria exigua Nuttall subsp. exigua

Herrickia wood-aster

Brouillet, L., L. Urbatsch, & R.P. Roberts. 2004. *Tonestus kingii* and *T. aberrans* are related to *Eurybia* and the Machaerantherinae (Asteraceae: Astereae) based on nrDNA (ITS and ETS) data: Reinstatement of *Herrickia* and a new genus, *Triniteurybia*. Sida 21(2):889-900.
Nesom, G.L. 1994 [1995]. Review of the taxonomy of *Aster* sensu lato (Asteraceae: Astereae), emphasizing the New World species. Phytologia 77(3):141-297.

glauca (Nuttall) Brouillet [M&H; W&S]
gray wood-aster
Aster glaucodes Blake var. *formosus* (Greene) Kittell
Aster glaucodes Blake var. *glaucodes*
Aster glaucus (Nuttall) Torrey & Gray
Aster glaucus (Nuttall) Torrey & Gray var. *formosus* (Greene) A. Nelson
Eucephalus formosus Greene
Eucephalus glaucus Nuttall
Eurybia glauca (Nuttall) Nesom

horrida Wooton & Standley [M&H; W&S]
Wooton's wood-aster
Aster horridus (Wooton & Standley) Blake
Eurybia horrida (Wooton & Standley) Nesom

Heteropleura fendleri (Schultz-Bipontinus) Rydberg = Hieracium fendleri Schultz-Bipontinus

Heterosperma wing-petal

pinnatum Cavanilles [M&H; W&S]
wing-petal
Heterosperma tagetinum Gray

tagetinum Gray = Heterosperma pinnatum Cavanilles

dicranocarpa Gray = Dicranocarpus parviflorus (Gray) Gray

Heterotheca golden-aster

Nesom, G.L. 1990. Taxonomy of *Heterotheca* sect. *Heterotheca* (Asteraceae: Astereae) in Mexico, with comments on the taxa of the United States. Phytologia 69(4):282-294.
Nesom, G.L. 2006. Taxonomic overview of the *Heterotheca villosa* complex (Asteraceae: Astereae). Sida 22(1):367-380.
Semple, J.C. 1987. New names, combinations, and lectotypifications in *Heterotheca* (Compositae: Astereae). Brittonia 39(3):379-386.

Semple, J.C. 1990. Neotypification of *Amellus villosus*, the identity of a Bradbury collection, and typification of some other goldenasters (Compositae: Astereae). Brittonia 42(3):221-228.
Semple, J.C. 1994. New combinations in the *Heterotheca villosa* (Pursh) Shinners complex (Compositae: Astereae). Novon 4:53-54.
Semple, J. 1996. A revision of *Heterotheca* sect. *Phyllotheca* (Nuttall) Harms (Compositae: Astereae). Univ. Waterloo Biol. Ser. 37:1-164.
Semple, J.C. *Heterotheca*, p. 230-256. IN: Flora of North America, vol. 20. Oxford University Press, New York.
Semple, J.C., V.C. Blok, and P. Heiman. 1980. Morphological, anatomical, habit, and habitat differences among the goldenaster genera *Chrysopsis*, *Heterotheca* and *Pityopsis* (Compositae--Astereae). Can. J. Bot. 58:147-163.

canescens (A.P. de Candolle) Shinners [M&H; Semple 1996; W&S]
gray camphorweed, hoary golden-aster
Chrysopsis berlandiera Greene
Chrysopsis canescens (A.P. de Candolle) Torrey & Gray
Chrysopsis villosa (Pursh) Nuttall var. *canescens* (A.P. de Candolle) Gray
Haplopappus canescens (A.P. de Candolle) Torrey & Gray

fulcrata (E.L. Greene) Shinners var. ***amplifolia*** (Rydberg) Semple [Semple 1996; W&S]
green camphorweed
Chysopsis nitidula Wooton & Standley

fulcrata (Greene) Shinners var. ***arizonica*** Semple [Semple 1996]
Arizona camphorweed

fulcrata (Greene) Shinners var. ***fulcrata*** [M&H; Semple 1996 W&S]
green camphorweed
Chrysopsis cryptocephala Wooton & Standley
Chrysopsis fulcrata Greene
Chrysopsis resinolens A. Nelson

fulcrata (E.L. Greene) Shinners var. ***senilis*** (Wooton & Standley) Semple [M&H; Semple 1996 W&S]
green camphorweed
Chrysopsis senilis Wooton & Standley

horrida (Rydberg) Harms = Heterotheca villosa (Pursh) Shinners var. nana (A. Gray) Semple

latifolia Buckley = Heterotheca subaxillaris (Lamarck) Britton & Rusby var. latifolia (Buckley) Gandhi & R.D. Thomas

latifolia Buckley var. *macgregoris* Wagenknecht = Heterotheca subaxillaris (Lamarck) Britton & Rusby

polythrix Nesom = Heterotheca villosa (Pursh) Shinners var. scabra (A. Eastwood) Semple

psammophila Wagenknecht = Heterotheca subaxillaris (Lamarck) Britton & Rusby

sierrablancensis (Semple) Nesom = Heterotheca villosa (Pursh) Shinners var. sierrablancensis Semple

stenophylla (A. Gray) Shinners var. ***angustifolia*** (Rydberg) Semple [Semple 1996]
stiff-leaf golden-aster
Chrysopsis angustifolia Rydberg

stenophylla (A. Gray) Shinners var. ***stenophylla*** [Semple 1996]
stiff-leaf golden-aster
Chrysopsis hispida (Hooker) A.P. de Candolle var. *stenophylla* A. Gray

subaxillaris (Lamarck) Britton & Rusby var. ***latifolia*** (Buckley) Gandhi & R.D. Thomas [Semple 2006; W&S]
camphorweed
Heterotheca latifolia Buckley
Heterotheca latifolia Buckley var. *macgregoris* Wagenknecht
Heterotheca psammophila Wagenknecht
Heterotheca subaxillaris (Lamarck) Britton & Rusby subsp. *latifolia* (Buckley) Semple

subaxillaris (Lamarck) Britton & Rusby subsp. *latifolia* (Buckley) Semple = Heterotheca subaxillaris (Lamarck) Britton & Rusby

villosa (Pursh) Shinners var. ***foliosa*** (Nuttall) Harms [Semple 1996]
hairy golden-aster
Chrysopsis foliosa Nuttall

villosa (Pursh) Shinners var. *horrida* (Hooker) Semple = Heterotheca villosa (Pursh) Shinners var. nana (A. Gray) Semple

villosa (Pursh) Shinners var. ***minor*** (Hooker) Semple [M&H; Semple 1996; W&S]
hairy golden-aster
Chrysopsis hirsutissima Greene
Chrysopsis hispida (Hooker) A.P. de Candolle

villosa (Pursh) Shinners var. ***nana*** (A. Gray) Semple [M&H; Semple 1996]
hairy golden-aster
Chysopsis horrida Rydberg
Chysopsis villosa (Pursh) Shinners var. *horrida* (Hooker) Semple
Heterotheca horrida (Rydberg) Harms

villosa (Pursh) Shinners var. ***pedunculata*** (Greene) Harms ex Semple [Semple 1996]
hairy golden-aster

villosa (Pursh) Shinners var. ***scabra*** (A. Eastwood) Semple [Semple 1996]
hairy golden-aster
Heterotheca polythrix Nesom

+villosa (Pursh) Shinners var. ***sierrablancensis*** Semple [Semple 1996]
Sierra Blanca golden-aster
Heterotheca sierrablancensis (Semple) Nesom

villosa (Pursh) Shinners var. villosa : Not occurring in NM fide Semple (1996).

viscida (Gray) Harms [M&H; Semple 1996]
cliff golden-aster
Chrysopsis viscida (Gray) Greene
zionensis Semple [Semple 1996]
Zion golden-aster

Hieracium hawkweed
Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Hieracium crepidospermum*]
Beaman, J.H. 1990. Revision of *Hieracium* (Asteraceae) in Mexico and Central America. Syst. Bot. Monogr. 29:1-77.
Cronquist, A. 1994. *Hieracium*, pp. 455-458. IN: Intermountain Flora, vol. 5. New York Botanical Garden.
Strother, J.L. 2006. *Hieracium*, p. 278-294. IN: Flora of North America, vol. 19. Oxford University Press, New York.
abscissum Lessing [M&H; W&S]
Rusby's hawkweed
Hieracium rusbyi Greene
brevipilum Greene [M&H; W&S]
Mogollon hawkweed
Hieracium *fendleri* Schultz-Bipontinus var. *mogollonense* Gray
carneum Greene [M&H; W&S]
Huachuca hawkweed
crepidispermum Fries [Allred 1999; Beaman 1990; M&H; W&S]
Lemmon's hawkweed
Hieracium lemmonii Gray
fendleri Schultz-Bipontinus [M&H; W&S]
Fendler's hawkweed
Heteropleura fendleri (Schultz-Bipontinus) Rydberg
fendleri Schultz-Bipontinus var. *mogollonense* Gray = Hieracium brevipilum Greene
gracile Hooker = Hieracium triste Willdenow ex Sprengel
lemmonii Gray = Hieracium crepidispermum Fries
pringlei Gray [M&H; W&S]
Pringle's hawkweed
rusbyi Greene = Hieracium abscissum Lessing
triste Willdenow ex Sprengel [M&H]
alpine hawkweed
Hieracium gracile Hooker
Hieracium *triste* Willdenow ex Sprengel var. *gracile* (Hooker) Gray
Hymenatherum aureum Gray = Thymophylla aurea (Gray) Greene ex Britton var. aurea
neomexicanum Gray = Adenophyllum wrightii Gray
hartwegii Gray = Thymophylla pentachaeta (A.P. de Candolle) Small var. hartwegii (Gray) Strother
pentachaetum Gray = Thymophylla pentachaeta (A.P. de Candolle) Small var. pentachaeta
polychaetum Gray = Thymophylla aurea (Gray) Greene ex Britton var. polychaeta (Gray) Strother
thurberi Gray = Thymophylla pentachaeta (A.P. de Candolle) Small var. belenidium (A.P. de Candolle) Strother
Hymenoclea monogyra Torrey & Gray ex Gray = Ambrosia monogyra (Torrey & Gray ex Gray) Strother & Baldwin
Hymenopappus woolywhite
Great Plains Flora Association. 1977. Atlas of the Flora of the Great Plains. Iowa State Univ. Press. 600 pp. [*Hymenopappus filifolius* var. *polycephalus*]
Turner, B.L. 1956. A cytotaxonomic study of the genus *Hymenopappus* (Compositae). Rhodora 58:163-186, 208-242, 250-269, 295-308.
arenosus Heller = Hymenopappus filifolius Hooker var. cinereus (Rydberg) I.M. Johnston
biennis B.L. Turner [M&H; Turner 1956]
biennial woolywhite
cinereus Rydberg = Hymenopappus filifolius Hooker var. cinereus (Rydberg) I.M. Johnston
filifolius Hooker var. ***cinereus*** (Rydberg) I.M. Johnston [M&H; Turner 1956; W&S]
fine-leaf woolywhite
Hymenopappus arenosus Heller
Hymenopappus cinereus Rydberg
filifolius Hooker var. ***lugens*** (Greene) Jepson [M&H; Turner 1956; W&S]
fine-leaf woolywhite
Hymenopappus lugens Greene
Hymenopappus nudatus Wooton & Standley
filifolius Hooker var. ***pauciflorus*** (I.M. Johnston) B.L. Turner [Spellenberg et al. 1986]
fine-leaf woolywhite
filifolius Hooker var. ***polycephalus*** (Osterhout) B.L. Turner [Great Plains Flora Association 1977]
fine-leaf woolywhite
fisheri Wooton & Standley = Hymenopappus flavescens Gray var. flavescens
flavescens Gray var. ***canotomentosus*** Gray [M&H; Turner 1956; W&S]
yellow woolywhite
Hymenopappus robustus Greene
flavescens Gray var. ***flavescens*** [M&H; Turner 1956; W&S]
yellow woolywhite

Hymenopappus fisheri Wooton & Standley
Rothia flavescens (Gray) Kuntze
integer Greene = Hymenopappus mexicanus Gray
lugens Greene = Hymenopappus filifolius Hooker var. lugens (Greene) Jepson
mexicanus Gray [M&H; Turner 1956; W&S]
Mexican woolywhite
Hymenopappus integer Greene
Rothia mexicana (Gray) Kuntze
newberryi (Gray) I.M. Johnston [M&H; Turner 1956; W&S]
Newberry's woolywhite
Leucampyx newberryi Gray
nudatus Wooton & Standley = Hymenopappus filifolius Hooker var. lugens (Greene) Jepson
radiatus Rose : Reported by W&S, but not known in NM according to Turner (1956).
robustus Greene = Hymenopappus flavescens Gray var. cano-tomentosus Gray
tenuifolius Pursh [M&H; Turner 1956; W&S]
chalkhill woolywhite
Rothia tenuifolia Kuntze

Hymenothrix thimblehead
wislizeni Gray [M&H; W&S]
Trans-Pecos thimblehead
wrightii Gray [M&H; W&S]
Wright's thimblehead

Hymenoxys rubberweed
Bierner, M.W. 1994. Submersion of *Dugaldia* and *Plummera* in *Hymenoxys* (Asteraceae: Heliantheae: Gaillardiinae). Sida 16(1):1-8.
Bierner, M.W. 2004. Taxonomy of *Hymenoxys* subgenus *Macdougalia* (Asteraceae: Helenieae: Tetraneurinae). Sida 21(2):657-663.
O'Kane, S.L. 1988. Colorado's rare flora. Great Basin Naturalist 48(4):434-475. [*Hymenoxys helenioides*]
Parker, K.F. 1981. New combinations in *Tetraneuris* Greene (Heliantheae, Asteraceae). Phytologia 45:467.
Wagner, W.L., R.A. Fletcher, & R.K. Shannon. 1999. Another look at *Hymenoxys* subgenus *Plummera* (Asteraceae: Heliantheae: Gaillardiinae) from Arizona and New Mexico. Brittonia 51(1):79-86.
acaulis (Pursh) Parker var. *acaulis* = Tetraneuris acaulis (Pursh) Greene var. acaulis
acaulis (Pursh) Parker var. *arizonica* (Greene) Parker = Tetraneuris acaulis (Pursh) Greene var. arizonica (Greene) Parker
acaulis (Pursh) Parker var. *caespitosa* (A. Nelson) Parker = Tetraneuris acaulis (Pursh) Greene var. caespitosa A. Nelson
acaulis (Pursh) Parker var. *ivesiana* (Greene) Parker = Tetraneuris ivesiana Greene
acaulis (Pursh) Parker var. *nana* Welsh = Hymenoxys acaulis (Pursh) Greene var. arizonica (Greene) Parker
+ambigens (S.F. Blake) Bierner var. ***neomexicana*** Wagner [Wagner 1979; Wagner et al. 1999]
New Mexico rubberweed
Plummera ambigens of NM authors
argentea (Gray) Parker = Tetraneuris argentea (Gray) Greene
bigelovii (Gray) Parker [Bierner 2004; M&H; W&S]
Bigelow's rubberweed
Actinella bigelovii Gray
Macdougalia bigelovii (Gray) Heller
+***brachyactis*** Wooton & Standley [W&S]
east-view rubberweed
brandegeei (Porter ex Gray) Parker [M&H]
Brandegee's rubberweed
Actinea brandegeei (Porter ex Gray) Rydberg
Rydbergia brandegeei (Porter) Rydberg
Tetraneuris brandegeei (Porter ex Gray) Parker
cockerellii Wooton & Standley = Hymenoxys odorata A.P. de Candolle
cooperi (Gray) Cockerell subsp. *grayi* Cockerell = Hymenoxys quinquesquamata Rydberg
floribunda (Gray) Cockerell = Hymenoxys richardsonii (Hooker) Cockerell var. floribunda (Gray) Parker
helenioides (Rydberg) Cockerell [Heil et al. 2002; O'Kane 1988]
Intermountain rubberweed
Picradenia helenioides Rydberg
hoopesii (A. Gray) Bierner [M&H; W&S]
orange sneezeweed
Dugaldea hoopesii (Gray) Rydberg
Heleniastrum hoopesii (Gray) Kuntze
Helenium hoopesii A. Gray
ivesiana (Greene) Parker = Tetraneuris ivesiana Greene
linearifolia Hooker = Tetraneuris linearifolia (Hooker) Greene
macrantha (A. Nelson) Rydberg = Hymenoxys richardsonii (Hooker) Cockerell var. richardsonii
mearnsii (Cockerell) Wooton & Standley = Hymenoxys odorata A.P. de Candolle
metcalfei Cockerell = Hymenoxys richardsonii (Hooker) Cokll. var. floribunda (Gray) Parker
multiflora (Buckley) Rydberg = Hymenoxys odorata A.P. de Candolle
odorata A.P. de Candolle [M&H; W&S]

poison rubberweed
Actinella odorata (A.P. de Candolle) Gray
Hymenoxys cockerellii Wooton & Standley
Hymenoxys mearnsii (Cockerell) Wooton & Standley
Hymenoxys multiflora (Buckley) Rydberg
olivacea Cockerell = Hymenoxys richardsonii (Hooker) Cockerell var. floribunda (Gray) Parker
quinquesquamata Rydberg [M&H] Note: Restricted by Bierner (2006) to southern Arizona, mostly the Huachuca Mountains; warrants verification.
Rincon rubberweed
Hymenoxys cooperi (Gray) Cockerell subsp. *grayi* Cockerell
richardsonii (Hooker) Cockerell var. ***floribunda*** (Gray) Parker [M&H; W&S]
pingue, Colorado rubberweed
Actinella richardsonii (Hooker) Nuttall var. *floribunda* (Hooker) Gray
Hymenoxys floribunda (Gray) Cockerell
Hymenoxys metcalfei Cockerell
Hymenoxys olivacea Cockerell
richardsonii (Hooker) Cockerell var. ***richardsonii*** [W&S]
pingue, Colorado rubberweed
Actinella richardsonii (Hooker) Nuttall
Hymenoxys macrantha (A. Nelson) Rydberg
Picradenia richardsonii Hooker
rusbyi (Gray) Cockerell [M&H; W&S]
Rusby's rubberweed
Actinella rusbyi (Gray) Rydberg
scaposa (A.P. de Candolle) Parker s.s. = Tetraneuris scaposa (A.P. de Candolle) Greene var. scaposa
scaposa (A.P. de Candolle) Parker var. *glabra* (Nuttall) Parker = Tetraneuris scaposa (A.P. de Candolle) Greene var. scaposa
scaposa (A.P. de Candolle) Parker var. *linearis* (Nuttall) Parker = Tetraneuris scaposa (A.P. de Candolle) Greene var. scaposa
scaposa (A.P. de Candolle) Parker var. *villosa* Shinners = Tetraneuris scaposa (A.P. de Candolle) Greene var. scaposa
vaseyi (Gray) Cockerell [M&H; W&S]
Vasey's rubberweed
Actinella vaseyi Gray
Picradenia vaseyi (Gray) Greene

Hypochaeris cat's ear
****radicata*** Linnaeus [Spellenberg et al. 1993]
cat's ear

Ionactis ankle-aster
Nesom, G.L. 1992. Transfer of *Chaetopappa elegans* to *Ionactis* (Asteraceae: Astereae). Phytologia 73(5):416-424.
Soreng, R. and R. Spellenberg. 1984. An unusual new *Chaetopappa* (Asteraceae-Astereae) from New Mexico. Syst. Bot. 9:1-5.
+elegans (Soreng & Spellenberg) Nesom [Soreng & Spellenberg 1984]
Sierra Blanca ankle-aster
Chaetopappa elegans Soreng & Spellenberg

Isocoma Jimmyweed
Nesom, G.L. 1991. Taxonomy of *Isocoma* (Compositae: Astereae). Phytologia 70:69-114.
azteca Nesom [Nesom 1991]
Aztec Jimmyweed
heterophylla (Gray) Greene = Isocoma pluriflora (Torrey & Gray) Greene
oxylepis Wooton & Standley = Isocoma pluriflora (Torrey & Gray) Greene
pluriflora (Torrey & Gray) Greene [M&H; Nesom 1991; W&S]
southern Jimmyweed
Bigelovia pluriflora Torrey & Gray
Haplopappus heterophyllus (Gray) Blake
Haplopappus pluriflorus (Gray) Hall
Isocoma heterophylla (Gray) Greene
Isocoma oxylepis Wooton & Standley
Isocoma wrightii (Gray) Wooton & Standley
Linosyris heterophyllus Gray
rusbyi Greene [M&H; Nesom 1991]
Rusby's Jimmyweed
Haplopappus drummondii sensu M&H
tenuisecta Greene [M&H; Nesom 1991]
burroweed
Haplopappus tenuisectus (Greene) Blake
wrightii (Gray) Wooton & Standley = Isocoma pluriflora (Torrey & Gray) Greene

Iva marsh-elder
Jackson, R.C. 1960. A revision of the genus *Iva* Linnaeus Univ. Kansas Sci. Bull. 41:793-876.
Strother, J.L. 2000. *Hedosyne* (Compositae, Ambrosiinae), a new genus for *Iva ambrosiifolia*. Madroño 47(3):204-205.
acerosa (Nuttall) R.C. Jackson = Oxytenia acerosa Nuttall

ambrosiifolia (Gray) Gray = Hedosyne ambrosiifolia (A. Gray) Strother

annua Linnaeus [M&H]

annual marsh-elder

Iva ciliata Willdenow

axillaris Pursh [M&H; W&S]

deer-root

ciliata Willdenow = Iva annua Linnaeus

dealbata Gray = Leuciva dealbata (A. Gray) Rydberg

xanthifolia Nuttall = Cyclachaena xanthifolia (Nuttall) Fresenius

Jefea boss-daisy

Strother, J.L. 1991. Taxonomy of *Complaya, Elaphandra, Iogeton, Jefea, Wamalchitamin, Wedelia, Zexmenia, and Zyzyxia* (Compositae- Heliantheae-Ecliptinae). Syst. Bot. Monogr. 33:1-111.

brevifolia (Gray) Strother [M&H; Strother 1991]

boss-daisy

Zexmenia brevifolia Gray

Koanophyllon thoroughwort

Nesom, G.L. 2006. *Koanophyllon*, pp. 542-543. IN: Flora of North America, vol. 21. Oxford University Press, New York. [*Koanophyllon palmeri*]

palmeri (Gray) R.M. King & H.E. Robinson [Nesom 2006]

Palmer's thoroughwort

Eupatorium palmeri Gray

solidaginifolium (Gray) R.M. King & H.E. Robinson [M&H; W&S]

shrubby thoroughwort

Eupatorium solidaginifolium Gray

Keerlia skirrhobasis A.P. de Candolle = Aphanostephus skirrhobasis (A.P. de Candolle) Trelease

Krigia dwarf dandelion

Kim, K.-J. & B.L. Turner. 1992. Systematic overview of *Krigia* (Asteraceae-Lactuceae). Brittonia 44:173-198.

biflora (Walter) Blake [M&H; W&S]

dwarf dandelion

Cynthia viridis Standley

Krigia biflora (Walter) Blake var. *viridis* (Standley) Kim

biflora (Walter) Blake var. *viridis* (Standley) Kim = Krigia biflora (Walter) Blake

Kuhnia eupatorioides Linnaeus var. *chlorolepis* (Wooton & Standley) Cronquist = Brickellia eupatorioides (Linnaeus) Shinners var. chlorolepis (Wooton & Standley) B. Turner

eupatorioides Linnaeus var. *corymbulosa* Torrey & Gray = Brickellia eupatorioides (Linnaeus) Shinners var. corymbulosa (Torrey & Gray) Shinners

rosmarinifolia Ventenat [=Brickellia eupatorioides (Linnaeus) Shinners var. eupatorioides] : Reported by W&S, but not known from NM according to Turner (1989); requires validation.

rosmarinifolia Ventenat var. *chlorolepis* (Wooton & Standley) Blake = Brickellia eupatorioides (Linnaeus) Shinners var. chlorolepis (Wooton & Standley) B. Turner

Laciniaria lancifolia Greene = Liatris lancifolia (Greene) Kittell

ligulistylis A. Nelson = Liatris ligulistylis (A. Nelson) K. Schumann

punctata (Hooker) Kuntze = Liatris punctata Hooker

Lactuca lettuce

Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233.

Koopman, W.J.M., M.J. Zevenbergen, & R.G. Van den Berg. 2001. Species relationships in *Lactuca* s.l. (Lactuceae, Asteraceae) inferred from AFLP fingerprints. Amer. J. Bot. 88:1881-1887.

Stebbins, G.L. 1939. Notes on *Lactuca* in western North America. Madroño 5:123-126.

Strother, J.L. 2006. *Lactuca*, p. 259-263. IN: Flora of North America, vol. 19. Oxford University Press, New York.

Vuilleumier, B. S. 1973. The genera of Lactuceae (Compositae) in the southeastern United States. J. Arnold Arboretum 54: 42-93. [*Lactuca saligna*]

biennis Moench) Fernald [Hartman et al. 2006; Strother 2006]

wild lettuce

Sonchus biennis Moench

canadensis Linnaeus [M&H; W&S]

Canada lettuce

graminifolia Michaux var. ***arizonica*** McVaugh [M&H; W&S]

Arizona lettuce

integrata (Grenier & Godron) A. Nelson = Lactuca serriola Linnaeus

ludoviciana (Nuttall) A.P. de Candolle [M&H; W&S]

Louisiana lettuce

****saligna*** Linnaeus [Strother 2006; Vuilleumier 1973]

willow-leaf lettuce

****sativa*** Linnaeus [Strother 2006]

garden lettuce

scariola Linnaeus = Lactuca serriola Linnaeus

serriola Linnaeus forma *integrifolia* Bogenhard = Lactuca serriola Linnaeus

****serriola*** Linnaeus [M&H; W&S]

prickly lettuce

Lactuca integrata (Grenier & Godron) A. Nelson
Lactuca scariola Linnaeus, a later variant spelling
Lactuca serriola Linnaeus var. *integrata* Grenier & Godron
Lactuca serriola Linnaeus forma *integrifolia* Bogenhard

tatarica (Linnaeus) C.A. Meyer subsp. *pulchella* (Pursh) Stebbins = Lactuca pulchella (Pursh) A.P. de Candolle

pulchella (Pursh) A.P. de Candolle [M&H; W&S]

blue-lettuce

Lactuca tatarica (Linnaeus) C.A. Meyer subsp. *pulchella* (Pursh) Stebbins
Mulgedium pulchellum (Pursh) G. Don
Sonchus pulchellus Pursh

Laennecia woolwort

Nesom, G.L. 1990. Taxonomy of the genus *Laennecia* (Asteraceae: Astereae). Phytologia 68(3):205-228.

coulteri (A. Gray) Nesom [M&H]

Coulter's woolwort

Conyza coulteri A. Gray
Eschenbachia coulteri (Gray) Rydberg

schiedeana (Lessing) Nesom [M&H; W&S]

pineland woolwort

Conyza schiedeana (Lessing) Cronquist
Erigeron schiedeanus Lessing
Leptilon integrifolium Wooton & Standley

sophiifolia (Kunth) Nesom [M&H]

cut-leaf woolwort

Conyza coulteri Gray var. *tenuisecta* Gray
Conyza sophiifolia Kunth
Eschenbachia tenuisecta (Gray) Wooton & Standley

Laphamia cernua Greene = Perityle cernua (Greene) Shinners

quinqueflora Steyermark = Perityle quinqueflora (Steyermark) Shinners

staurophylla Barneby = Perityle staurophylla (Barneby) Shinners var. staurophylla

Lappa minus Hill = Arctium minus (Hill) Bernhardi

Lasianthaea daisy

Strother, J.L. 1991. Taxonomy of *Complaya, Elaphandra, Iogeton, Jefea, Wamalchitamin, Wedelia, Zexmenia, and Zyzyxia* (Compositae- Heliantheae-Ecliptinae). Syst. Bot. Monogr. 33:1-111.

podocephala (Gray) Baker [M&H]

San Pedro daisy

Verbesina podocephala Gray
Zexmenia podocephala (Gray) Gray

Lasthenia goldfields

gracilis (A.P. de Candolle) Greene [M&H; W&S] Note: the report is based on a Greene specimen from Grant County, which cannot be located; no other specimens are known from NM

common goldfields

Baeria chrysostoma Fischer & C.A. Meyer var. *gracilis* (A.P. de Candolle) Hall
Baeria gracilis (A.P. de Candolle) Gray
Burrielia gracilis A.P. de Candolle

Layia tidytips

glandulosa (Hooker) Hooker & Arnott var. ***glandulosa*** [M&H; W&S]

white tidytips

Blepharipappus glandulosa Hooker
Layia neomexicana Gray

neomexicana Gray = Layia glandulosa Hooker

Leibnitzia sunbonnets

Nesom, G.L. 1983. Biology and taxonomy of American *Leibnitzia* (Asteraceae: Mutisieae). Brittonia 35:126-139.

lyrata (Schultz-Bipontinus) G.L. Nesom [M&H; W&S]

Seemann's sunbonnets

Chaptalia alsophila Greene
Gerbera lyrata Schultz-Bipontinus
Leibnitzia seemannii (Schultz-Bipontinus) G.L. Nesom

seemannii (Schultz-Bipontinus) G.L. Nesom = Leibnitzia lyraata (Schultz-Bipontinus) G.L. Nesom

Leontodon hawkbit

Sivinski, R. 2001. New plant distribution records. The New Mexico Botanist 19:3. [*Leontodon taraxacoides*]

****saxatilis*** Lamarck [Sivinski 2001]

lesser hawkbit

Leontodon taraxacoides (Villars) Willdenow ex Mérat (not Hoppe & Hornschuch)

taraxacoides (Villars) Willdenow ex Mérat (not Hoppe & Hornschuch) = Leontodon saxatilis Lamarck

Lepidospartum scalebroom

Sivinski, R. & K. Lightfoot, eds. 1995. Inventory of rare and endangered plants of New Mexico. New Mexico Forestry and Resources Conservation Division, Misc. Publ. No. 4.

Turner, B.L. 1977. *Lepidospartum burgessii* (Asteraceae, Senecioneae), a remarkable new gypsophilic species from Trans-Pecos Texas. Wrightii 5(9):354-355.

burgesii Turner [Sivinski & Lightfoot 1995]
Burges's scalebroom
Leptilon canadense (Linnaeus) Britton & Brown = Conyza canadensis (Linnaeus) Cronquist
integrifolium Wooton & Standley = Conyza schiediana (Lessing) Cronquist
Leptoseris sonchoides Nuttall = Malacothrix sonchoides (Nuttall) Torrey & Gray
Leucampyx newberryi Gray = Hymenopappus newberryi (Gray) I.M. Johnston
Leucanthemum daisy
vulgare* Lamarck [M&H; W&S]
oxeye daisy
Chrysanthemum leucanthemum Linnaeus
Chrysanthemum leucanthemum Linnaeus var. *pinnatifidum* Lecoq & Lamotte
Leucelene arenosus Heller = Chaetopappa ericoides (Torrey) Nesom
ericoides (Torrey) Greene = Chaetopappa ericoides (Torrey) Nesom
Leuciva marsh-elder
Strother, J.L. 2000. *Hedosyne* (Compositae, Ambrosiinae), a new genus for *Iva ambrosiifolia*. Madroño 47(3):204-205.
dealbata (A. Gray) Rydberg [M&H; W&S]
wooly marsh-elder
Iva dealbata A. Gray
Leucosyris spinosus (Bentham) Greene = Chloracantha spinosa (Bentham) Nesom
Liatris gayfeather
Gaiser, L.O. 1946. The genus *Liatris*. Rhodora 48:165-183, 216-263, 326, 331-382, 393-412.
lancifolia (Greene) Kittell [M&H; W&S]
lance-leaf gayfeather
Laciniaria lancifolia Greene
ligulistylis (A. Nelson) K. Schumann [M&H; W&S]
strap-style gayfeather
Lacinaria ligulistylis A. Nelson
punctata Hooker var. ***mexicana*** Gaiser [Gaiser 1946]
dotted gayfeather
punctata Hooker var. *nebraskana* Gaiser = Liatris punctata Hooker var. punctata
punctata Hooker var. ***punctata*** [Gaiser 1946; M&H; W&S]
dotted gayfeather
Laciniaria punctata (Hooker) Kuntze
Liatris punctata Hooker var. *nebraskana* Gaiser
Ligularia amplectens (Gray) W.A. Weber = Senecio amplectens Gray
bigelovii (Gray) W.A. Weber = Senecio bigelovii Gray var. bigelovii
bigelovii (Gray) W.A. Weber var. *hallii* (Gray) W.A. Weber = Senecio bigelovii Gray var. hallii Gray
holmii (Greene) W.A. Weber = Senecio amplectens A. Gray var. holmii (Greene) Harrington
pudica (Greene) W.A. Weber = Senecio pudicus Greene
soldanella (Gray) W.A. Weber = Senecio soldanella Gray
taraxacoides (Gray) W.A. Weber = Senecio taraxacoides Gray
Linosyris bigelovii Gray = Ericameria nauseosa (Pallas ex Pursh) Nesom & Baird var. bigelovii (Torrey) Nesom & Baird
heterophyllus Gray = Isocoma pluriflora (Torrey & Gray) Greene
pulchella Gray = Lorandersonia pulchella (Gray) Urbatsch, Roberts & Neubig
texana Torrey & Gray = Baccharis texana (Torrey & Gray) Gray
Logfia cotton-rose
filaginoides (Hooker & Arnott) Morefield [Spellenberg et al. 1986]
California cotton-rose
Filago californica Nuttall
Lorandersonia rabbitbrush
Urbatsch, L.E., R.P. Roberts, & K.M. Neubig. 2006. *Lorandersonia*, p. 177-181. IN: Flora of North America, vol. 20. Oxford University Press, New York.
baileyi (Wooton & Standley) Urbatsch, Roberts & Neubig [Anderson 1986; M&H; W&S]
Bailey's rabbitbrush
Ericameria pulchella (Gray) L.C. Anderson subsp. *baileyi* (Wooton & Standley) L.C. Anderson
Chrysothamnus baileyi Wooton & Standley
Chrysothamnus pulchellus (Gray) Greene subsp. *baileyi* (Wooton & Standley) Hall & Clements
linifolia (Greene) Urbatsch, Roberts & Neubig [Anderson 1986; M&H; W&S]
spear-leaf rabbitbrush
Chrysothamnus linifolius Greene
Chrysothamnus viscidiflorus (Hooker) Nuttall subsp. *linifolius* (Greene) Hall & Clements
Ericameria linifolia (Greene) L.C. Anderson
microcephalus (Cronquist) Urbatsch, Roberts & Neubig [M&H]
small-headed rabbitbrush
Haplopappus microcephalus Cronquist
Ericameria microcephala (Cronquist) Kartesz & Gandhi
Tonestus microcephalus (Cronquist) Nesom & Morgan
pulchella (Gray) Urbatsch, Roberts & Neubig [Anderson 1986; M&H; W&S]

southwestern rabbitbrush
Bigelovia pulchella Gray
Chrysothamnus elatior Standley
Chrysothamnus pulchellus (Gray) Greene
Chrysothamnus pulchellus (Gray) Greene subsp. *elatior* (Standley) Hall & Clements
Ericameria pulchella (Gray) L.C. Anderson
Ericameria pulchella (Gray) L.C. Anderson var. *elatior* (Standley) L.C. Anderson
Linosyris pulchella Gray

spathulata (L.C. Anderson) Urbatsch, Roberts & Neubig [Anderson 1986]
Guadalupe rabbitbrush
Chrysothamnus spathulatus L.C. Anderson
Chrysothamnus viscidiflorus (Nuttall) Hooker subsp. *ludens* Shinners
Ericameria spathulata (L.C. Anderson) L.C. Anderson

Lowellia aurea Gray = Thymophylla aurea (Gray) Greene ex Britton var. aurea

Lygodesmia skeleton-plant
Bogler, D.J. 2006. *Lygodesmia*, p. 369-373. IN: Flora of North America, vol. 19. Oxford University Press, New York.
Kittell, M.T. 1941. A Critical Revision of the Compositae of Arizona and New Mexico. The Catholic University of America, Biological Series No. 34. [*Lygodesmia grandiflora*]
Parfitt, B.D. 1987. Noteworthy collections, New Mexico. Madroño 34:171. [*Lygodesmia grandiflora*]
Tomb, A.S. 1980. Taxonomy of *Lygodesmia* (Asteraceae). Syst. Bot. Monogr. 1:1-51.
aphylla (Nuttall) A.P. de Candolle var. *texana* Torrey & Gray = Lygodesmia texana (Torrey & Gray) Greene
arizonica Tomb = Lygodesmia grandiflora (Nuttall) Torrey & Gray var. arizonica (Tomb) S.L. Welsh
bigelovii (Gray) Shinners = Stephanomeria exigua Nuttall subsp. exigua
exigua Gray = Prenanthella exigua (Gray) Rydberg
grandiflora (Nuttall) Torrey & Gray var. ***arizonica*** (Tomb) S.L. Welsh [Tomb 1980]
Arizona skeleton-plant
grandiflora (Nuttall) Torrey & Gray var. ***grandiflora*** [Kittell 1941; M&H; Parfitt 1987]
rush-pink
Erythemia grandiflora Nuttall
juncea (Pursh) D. Don ex Hooker [M&H; Tomb 1980]
rush skeleton-plant
Prenanthes juncea Pursh
minor Hooker = Stephanomeria minor (Hooker) Nuttall
ramosissima Greenman : M&H erroneously attribute to Tomb (1980) the report of Lygodesmia ramosissima Greenman for NM.
texana (Torrey & Gray) Greene [M&H; Tomb 1980]
Texas skeleton-plant
Lygodesmia aphylla (Nuttall) A.P. de Candolle var. *texana* Torrey & Gray
thurberi (Gray) Shinners = Stephanomeria thurberi Gray

Macdougalia bigelovii (Gray) Heller = Hymenoxys bigelovii (Gray) Parker

Machaeranthera spine-aster
Hartman, R.L. 1990. A conspectus of *Machaeranthera* (Asteraceae: Astereae). Phytologia 68:439-465.
Morgan, D.R. & R.L. Hartman. 2003. A synopsis of *Machaeranthera* (Asteraceae: Astereae), with recognition of segregate genera. Sida 20(4):1387-1416.
Turner, B.L. 1987. Taxonomic study of *Machaeranthera*, sections *Machaeranthera* and *Hesperastrum* (Asteraceae). Phytologia 62:207-266.
Turner, B.L., J. Bacon, & T. Wendt. 1975. Chromosomes and phyletic position of *Aster sonorae* Gray (Asteraceae-sect. *Oxytripolium*). Southw. Natural. 19(4):361-364.
Turner, B.L. and R.L. Hartman. 1976. Infraspecific categories of *Machaeranthera pinnatifida* (Compositae). Wrightia 5:308-315.
amplifolia Wooton & Standley = Dieteria asteroides Torrey var. asteroides
angustifolia Wooton & Standley = Dieteria canescens (Pursh) Nuttall var. ambigua (B.L. Turner) Morgan & Hartman
aquifolia Greene = Dieteria bigelovii (Gray) Morgan & Hartman var. bigelovii
asteroides (Torrey) Greene var. *asteroides* = Dieteria asteroides Torrey var. asteroides
asteroides (Torrey) Greene var. *glandulosa* B.L. Turner = Dieteria asteroides Torrey var. glandulosa (B.L. Turner) Morgan & Hartman
australis (Greene) Shinners = Xanthisma spinulosum (Pursh) Morgan & Hartman var. spinulosum
bigelovii (Gray) Greene var. *bigelovii* = Dieteria bigelovii (Gray) Morgan & Hartman
blephariphylla (Gray) Shinners = Xanthisma blephariphyllum (Gray) Morgan & Hartman
brevilingulata (Schultz-Bipontinus ex Hemsley) B.L. Turner & Horne = Psilactis brevilingulata Schultz-Bipontinus ex Hemsley
boltoniae (Greene) Turner & Horne = Psilactis asteroides Gray
canescens (Pursh) Gray s.s. [=Dieteria canescens (Pursh) Nuttall s.s.] : Not known from NM according to Turner (1987).
canescens (Pursh) Gray var. *ambigua* B.L. Turner = Dieteria canescens (Pursh) Nuttall var. ambigua (B.L. Turner) Morgan & Hartman
canescens (Pursh) Gray var. *aristata* (Eastwood) B.L. Turner = Dieteria canescens (Pursh) Nuttall var. aristata (Eastwood) Morgan & Hartman
canescens (Pursh) Gray var. *glabra* Gray = Dieteria canescens (Pursh) Nuttall var. glabra (Gray) Morgan & Hartman
canescens (Pursh) Gray var. *incana* (Lindley) Gray = Dieteria asteroides Torrey var. asteroides
canescens (Pursh) Gray var. *latifolia* Gray = Dieteria asteroides Torrey var. asteroides
centaureoides Greene = Dieteria bigelovii (Gray) Morgan & Hartman
cichoriacea Greene = Dieteria canescens (Pursh) Nuttall var. aristata (Eastwood) Morgan & Hartman
coronopifolia (Nuttall) A. Nelson = Machaeranthera tanacetifolia (Humboldt, Bonpland, & Kunth) Nees
gracilis (Nuttall) Shinners = Xanthisma gracile (Nuttall) Morgan & Hartman
grindelioides (Nuttall) Shinners = Xanthisma grindelioides (Nuttall) Morgan & Hartman
gymnocephala auct. non (A.P. de Candolle) Shinners = Xanthisma blephariphyllum (Gray) Morgan & Hartman
gypsitherma Nesom, Vorobik, & Hartman = Arida blepharophylla (Gray) Morgan & Hartman

gypsophila B.L. Turner = Xanthisma gypsophilum (B.L. Turner) Morgan & Hartman
havardii (Waterfall) Shinners = Xanthisma viscidum (Wooton & Standley) Morgan & Hartman
humilis Standley = Machaerathera tagetina Greene
linearis Greene = Dieteria canescens (Pursh) Nuttall var. glabra (Gray) Morgan & Hartman
parviflora Gray = Arida parviflora (Gray) Morgan & Hartman
pinnatifida (Hooker) Shinners var. *chihuahuana* B.L. Turner & Hartman = Xanthisma spinulosum (Pursh) Morgan & Hartman var. chihuahuanum (Turner & Hartman) Morgan & Hartman
pinnatifida (Hooker) Shinners var. *glaberrima* (Rydberg) Turner & Hartman = Xanthisma spinulosum (Pursh) Morgan & Hartman var. glaberrimum (Rydberg) Morgan & Hartman
pinnatifida (Hooker) Shinners var. *pinnatifida* = Xanthisma spinulosum (Pursh) Morgan & Hartman var. spinulosum
pygmaea (Gray) Wooton & Standley = Arida parviflora (Gray) Morgan & Hartman
riparia (Kunth) A.G. Jones = Arida riparia (Kunth) Morgan & Hartman
rubricaulis Rydberg = Dieteria bigelovii (Gray) Morgan & Hartman var. bigelovii
simplex Wooton & Standley = Dieteria asteroides Torrey
sonorae (Gray) Stucky = Arida riparia (Kunth) Morgan & Hartman
tagetina Greene [M&H; Turner 1987; W&S]
mesa spine-aster
Aster tagetinus (Greene) Blake
Machaeranthera humilis Standley
Machaeranthera tanacetifolia (Humboldt, Bonpland, & Kunth) Nees var. *humilis* Gray
tanacetifolia (Humboldt, Bonpland, & Kunth) Nees [M&H; Turner 1987; W&S]
Tahoka-daisy
Aster tanacetifolius Humboldt, Bonpland, & Kunth
Dieteria coronoopifolia Nuttall
Machaeranthera coronopifolia (Nuttall) A. Nelson
tanacetifolia (Humboldt, Bonpland, & Kunth) Nees var. *humilis* Gray = Machaeranthera tagetina Greene
tephrodes (Gray) Greene = Dieteria asteroides Torrey
viscida (Wooton & Standley) Hartman = Xanthisma viscidum (Wooton & Standley) Morgan & Hartman
viscosa (Nuttall) Greene = Dieteria canescens (Pursh) Nuttall s.s.; the Cockerell specimen cited in W&S for NM belongs to var. glabra (Gray) Morgan & Hartman [Turner 1987].
Macrorhyncus heterophyllus Nuttall = Agoseris heterophylla (Nuttall) Greene var. heterophylla
Madia tarweed
glomerata Hooker [M&H; W&S]
mountain tarweed
Malacothrix desert-dandelion
Spellenberg, R. 2005. Plant distribution reports (*Malacothrix stebbinsii*, *Melampodium longicorne*). The New Mexico Botanist 33:7.
Williams, E.W. 1957. The genus *Malacothrix* (Compositae). Amer. Midl. Naturalist 58:494-512.
fendleri Gray [M&H; W&S; Williams 1957]
Fendler's desert-dandelion
glabrata (D.C. Eaton ex A. Gray) A. Gray [Sivinski et al. 1995]
smooth desert-dandelion
sonchoides (Nuttall) Torrey & Gray [M&H; Williams 1957]
yellow-saucers
Leptoseris sonchoides Nuttall
sonorae Davis & Raven [Spellenberg et al. 1986]
Sonoran desert-dandelion
stebbinsii W.H. Davis & P.H Raven [Spellenberg 2005]
Stebbins's desert-dandelion
Maruta cotula (Linnaeus) A.P. de Candolle = Anthemis cotula Linnaeus
Matricaria pineappleweed
Bremer, K., H. Eklund, G. Medhanie, S. Heidmarsson, N. Laurent, J. Maad, J. Niklasson, & A. Nordin. 1996. On the delimitation of *Matricaria* versus *Microcephala* (Asteraceae: Anthemideae). Pl. Syst. Evol. 200:263-271.
Cronquist, A. 1994. *Matricaria*, pp. 136-138. IN: Intermountain Flora, vol. 5. New York Botanical Garden.
****discoidea*** A.P. de Candolle [Sivinski et al. 1994]
pineappleweed
Matricaria matricarioides auct non (Lessing) Porter
matricarioides auct non (Lessing) Porter = Matricaria discoidea A.P. de Candolle
Melampodium blackfoot-daisy
Spellenberg, R. 2005. Plant distribution reports (*Malacothrix stebbinsii*, *Melampodium longicorne*). The New Mexico Botanist 33:7.
Stuessy, T.F. 1972. Revision of *Melampodium* (Compositae: Heliantheae). Rhodora 74:1-70, 161-219.
leucanthum Torrey & Gray [M&H; W&S]
plains blackfoot-daisy
longicorne A. Gray [Spellenberg 2005]
Arizona blackfoot-daisy
strigosum Stuessy [Spellenberg et al. 1993]
shaggy blackfoot-daisy
Mesadenia decomposita (Gray) Standley = Psacalium decompositum (Gray) Robinson & Bretting

Microseris cuspidata (Pursh) Schultz-Bipontinus = Nothocalais cuspidata (Pursh) Greene
lindleyi (A.P. de Candolle) Gray = Uropappus lindleyi (A.P. de Candolle) Nuttall
linearifolia (A.P. de Candolle) Schultz-Bipontinus = Uropappus lindleyi (A.P. de Candolle) Nuttall
Nemoseris neomexicana (Gray) Greene = Rafinesquia neomexicana Gray
Nicolletia edwardsii Gray : Reported as expected by M&H map; awaits verification.

Nothocalais prairie dandelion
cuspidata (Pursh) Greene [M&H]
prairie dandelion
Agoseris cuspidata (Pursh) Steudel
Microseris cuspidata (Pursh) Schultz-Bipontinus
Torximon cuspidatum Pursh

Oedera trinervia Sprengel = Flaveria trinervia (Sprengel) C. Mohr
Oligoneuron canescens Rydberg = Solidago rigida Linnaeus var. humilis Porter
rigidum (Linnaeus) Small var. *humile* (Porter) Nesom = Solidago rigida Linnaeus var. humilis Porter

Onopordum Scotch-thistle
Sivinski, R., T. Lowrey, & R. Peterson. 1994. Additions to the native and adventive flora of New Mexico. Phytologia 76(6):473-479. [*Onopordum acanthium*]
****acanthium*** Linnaeus [Sivinski et al. 1994]
Scotch-thistle

Oreochrysum goldenrod
Keller, C.F. 1999. New Mexico *Solidagos*: A preliminary look at a difficult problem, with a tentative key. The New Mexico Botanist 11:1-5.
parryi (Gray) Rydberg [M&H; W&S]
Parry's goldenrod
Haplopappus parryi Gray
Solidago parryi (Gray) Greene

Osteospermum African daisybush
Strother, J.L. 2006. *Osteospermum*, p. 382-383. IN: Flora of North America, vol. 19. Oxford University Press, New York. [*Osteospermum spinescens*]
spinescens Thunberg [Strother 2006]
spiny daisybush

Othake macrolepis Rydberg = Palafoxia rosea (Bush) Cory var. macrolepis (Rydberg) Turner & Morris
sphacelatum (Nuttall) Rydberg = Palafoxia sphacelata (Nuttall ex Torrey) Cory
texanum (A.P. de Candolle) Bush (=Palafoxia texana A.P. de Candolle var. texana) : Reported by W&S, but not occurring in NM according to Turner & Morris (1976); our material is Palafoxia rosea (Bush) Cory var. macrolepis, q.v.
texanum (A.P. de Candolle) Bush var. *macrolepis* (Rydberg) Ammerman = Palafoxia rosea (Bush) Cory var. macrolepis (Rydberg) Turner & Morris

Oxytenia copperweed
Hershey, A.L. & P.J. Leyendecker, Jr. 1944. Notes on plants of New Mexico—III. Leaflets of Western Botany 4(2):21-25. [*Oxytenia acerosa*]
Strother, J.L. 2000. *Hedosyne* (Compositae, Ambrosiinae), a new genus for *Iva ambrosiifolia*. Madroño 47(3):204-205.
acerosa Nuttall [Hershey & Leyendecker 1944; M&H]
copperweed
Iva acerosa (Nuttall) Jackson

Packera ragwort
Barkley, T.M. 1962. A revision of *Senecio aureus* Linn. and allied species. Trans. Kansas Acad. Sci. 65:318-408.
Barkley, T.M. 1999. The segregates of *Senecio*, s.l., and *Cacalia*, s.l., in the flora of North America north of Mexico. Sida 18(3):661-672.
Sivinski, R. 2001. New plant distribution records. The New Mexico Botanist 18:3. [*Senecio quercetorum, S. neomexicanum toumeyi*]
Trock, D.K. 2006. *Packera*, p. 570-602. IN: Flora of North America, vol. 20. Oxford University Press.
Trock, D.K. & T.M. Barkley. 1998. Seven new nomenclatural combinations and a new name in *Packera* (Asteraceae: Senecioneae). Sida 18(2):385-388.
Welsh, S.L., N.D. Atwood, S.Goodrich, & L.C. Higgins (eds.). 2003. A Utah Flora. 3rd ed, revised. Provo, Utah: Brigham Young University Press. [*Sencio cliffordii*]
Worthington, R.D. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Packera obovata*]
cana (Hooker) W.A. Weber & A. Löve [Spellenberg et al. 1986; Trock 2006]
silver ragwort
Senecio canus Hooker
cardamine (Greene) W.A. Weber & A. Löve [M&H; Trock 2006; W&S]
bitter-cress ragwort
Senecio cardamine Greene
crocata (Rydberg) W.A. Weber & A. Löve [Trock 2006]
saffron ragwort
Senecio crocatus Rydberg
+***cynthioides*** (Greene) W.A. Weber & A. Löve [M&H; Trock 2006; W&S]
White Mountain ragwort
Senecio cynthioides Greene
dimorphophylla (Greene) W.A. Weber & A. Löve var. ***dimorphophylla*** [Spellenberg et al. 1986; Trock 2006]
split-leaf ragwort
Senecio dimorphophyllus Greene
fendleri (Gray) W.A. Weber & A. Löve [M&H; Trock 2006; W&S]
Fendler's ragwort
Senecio fendleri Gray
Senecio canovirens Rydberg

hartiana (Heller) W.A. Weber & A. Löve [M&H; Trock 2006]
Hart's ragwort
Packera quaerens (Greene) W.A. Weber & A. Löve
Senecio flavulus Wooton & Standley in part
Senecio hartianus Heller
Senecio quaerens Greene
multilobata (Torrey & Gray ex Gray) W.A. Weber & A. Löve [M&H; Trock 2006]
lobe-leaf ragwort
Senecio multilobatus Torrey & Gray ex Gray
neomexicana (Gray) W.A. Weber & A. Löve var. ***mutabilis*** (Greene) W.A. Weber & A. Löve [M&H; Trock 2006; W&S]
New Mexico ragwort
Packera neomexicana (Gray) W.A. Weber & A. Löve var. *metcalfei* (Greene) Trock & Barkley
Senecio metcalfei Greene
Senecio mutabilis Greene
Senecio neomexicanus Gray var. *mutabilis* (Greene) T.M. Barkley
neomexicana (Gray) W.A. Weber & A. Löve var. ***neomexicana*** [M&H; Trock 2006; W&S]
New Mexico ragwort
Senecio eurypterus Greenman
Senecio neomexicanus Gray
Senecio oresbius Greenman
Senecio thurberi Gray
neomexicana (Gray) W.A. Weber & A. Löve var. *metcalfei* (Greene) Trock & Barkley = Packera neomexicana (Gray) W.A. Weber & A. Löve var. mutabilis (Greene) W.A. Weber & A. Löve
neomexicana (Gray) W.A. Weber & A. Löve var. ***toumeyi*** (Greene) Trock & Barkley [Sivinski 2001; Trock 2006]
Toumey's ragwort
Senecio neomexicanus Gray var. *toumeyi* (Greene) T.M. Barkley
Senecio toumeyi Greene
obovata (Muhlenberg ex Willdenow) W.A. Weber & A. Löve [Trock 2006; Worthington 2000]
roundleaf ragwort
Senecio obovatus Muhlenberg ex Willdenow
paupercula (Michaux) W.A. Weber & A. Löve [M&H] Note: Not reported for NM by Trock (2006); perhaps warrants verification.
balsam ragwort
Senecio flavovirens Rydberg
Senecio pauperculus Michaux
plattensis (Nuttall) W.A. Weber & A. Löve [Great Plains Flora Association 1977; Mahoney et al. 2002; Trock 2006]
Platt River ragwort
Senecio plattensis Nuttall
pseudaurea (Rydberg) W.A. Weber & A. Löve var. ***flavula*** (Greene) Trock & Barkley [Barkley 1962; M&H; Trock 2006; W&S]
streambank ragwort
Senecio flavulus Greene
Senecio pseudaureus Rydberg var. *flavulus* (Greene) Greenman
quaerens (Greene) W.A. Weber & A. Löve = Packera hartiana (Heller) W.A. Weber & A. Löve
quercetorum (Greene) C. Jeffrey [Sivinski 2001; Trock 2006]
oak-leaf ragwort
Senecio quercetorum Greene
+***sanguisorboides*** (Rydberg) W.A. Weber & A. Löve [M&H; Trock 2006; W&S]
burnet ragwort
Senecio sanguisorboides Rydberg
+***spellenbergii*** (T.M. Barkley) C. Jeffrey [Barkley 1989; Trock 2006; Welsh et al. 2003]
Spellenberg's ragwort
Senecio spellenbergii T.M. Barkley
Senecio cliffordii Atwood & Welsh
streptanthifolia (Greene) W.A. Weber & A. Löve [M&H; Trock 2006; W&S]
Rocky Mountain ragwort
Senecio acutidens Rydberg
Senecio cymbalarioides Nuttall
Senecio streptanthifolius Greene
tridenticulata (Rydberg) W.A. Weber & A. Löve [Barkley 1962; M&H; Trock 2006; W&S]
three-toothed ragwort
Senecio oblanceolatus Rydberg
Senecio remifolius Wooton & Standley
Senecio tridenticulatus Rydberg
werneriifolia (Gray) W.A. Weber & A. Löve [M&H; Trock 2006; W&S]
rocky ragwort
Senecio pentadontus Greene

Senecio saxosus Klatt
Senecio werneriifolius (Gray) Gray

Palafoxia palafox

Turner, B.L. and M.I. Morris. 1976. Systematics of *Palafoxia* (Asteraceae: Helenieae). Rhodora 78:567-628.

callosa (Nuttall) Torrey & Gray : Reported as expected by M&H, but not likely to be found here according to Turner & Morris (1976).

rosea (Bush) Cory var. ***macrolepis*** (Rydberg) Turner & Morris [M&H; W&S]
rosy palafox
Othake macrolepis Rydberg
Othake texanum (A.P. de Candolle) Bush var. *macrolepis* (Rydberg) Ammerman
Palafoxia texana A.P. de Candolle var. *macrolepis* (Rydberg) Shinners

sphacelata (Nuttall ex Torrey) Cory [M&H; W&S]
rotting palafox
Othake sphacelatum (Nuttall) Rydberg
Polypteris hookeriana Gray
Stevia sphacelata Nuttall

texana A.P. de Candolle var. *macrolepis* (Rydberg) Shinners = Palafoxia rosea (Bush) Cory var. macrolepis (Rydberg) Turner & Morris

Parthenice mollis Gray : Reported as expected by M&H map; awaits verification.

Parthenium feverfew

Rollins, R.C. 1950. The guayule rubber plant and its relatives. Contr. Gray Herb. 172:1-72.

alpinum (Nuttall) Torrey & Gray [Spellenberg 1984]
alpine feverfew

confertum Gray var. ***lyratum*** (Gray) Rollins [M&H; W&S]
Gray's feverfew
Parthenium hysterophorus Linnaeus
Parthenium lyratum Gray

hysterophorus Linnaeus = Parthenium confertum Gray var. lyratum (Gray) Rollins

incanum Humboldt, Bonpland, & Kunth [M&H; W&S]
mariola

lyratum Gray = Parthenium confertum Gray var. lyratum (Gray) Rollins

Pectis lemonweed, chinchweed

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Pectis cylindrica*]

Keil, D.J. 1977. A revision of *Pectis* section *Pectothrix* (Compositae: Tageteae). Rhodora 79(817):32-78.

angustifolia Torrey var. ***angustifolia*** [Keil 1977; M&H; W&S]
lemonweed, limoncillo
Pectis papposa Harvey & Gray var. *sessilis* M.E. Jones

angustifolia Torrey var. ***tenella*** (A.P. de Candolle) Keil [Keil 1977]
lemonweed, limoncillo

cylindrica (Fernald) Rydberg [Allred 1999]
Sonoran lemonweed
Pectis prostrata Cavanilles var. *cylindrica* Fernald

filipes Harvey & Gray var. ***subnuda*** Fernald [Keil 1977; M&H; W&S]
threadleaf lemonweed

longipes Gray [M&H]
stalked lemonweed

papposa Harvey & Gray var. ***grandis*** Keil [Keil 1977]
lemonweed, limoncillo

papposa Harvey & Gray var. ***papposa*** [Keil 1977; M&H; W&S]
lemonweed, limoncillo

papposa Harvey & Gray var. *sessilis* M.E. Jones = Pectis angustifolia Torrey var. angustifolia

prostrata Cavanilles [M&H; W&S]
dwarf lemonweed
Pectis urceolata Rydberg

prostrata Cavanilles var. *cylindrica* Fernald = Pectis cylindrica (Fernald) Rydberg

taxifolia Greene = Chrysactinia mexicana Gray

urceolata Rydberg = Pectis prostrata Cavanilles

Pentzia African sheepbush

****incana*** (Thunberg) O. Kuntze [Spellenberg et al. 1993]
African sheepbush

Perezia nana Gray = Acourtia nana (Gray) Reveal & King

thurberi Gray = Acourtia thurberi (Gray) Reveal & King

wrightii Gray = Acourtia wrightii (Gray) Reveal & King

Pericome trail-leaf

caudata Gray [M&H; W&S]
mountain trail-leaf
Pericome caudata Gray var. *glandulosa* (Goodman) Harrington
Pericome glandulosa Goodman

caudata Gray var. *glandulosa* (Goodman) Harrington = Pericome caudata Gray
glandulosa Goodman = Pericome caudata Gray

Perityle rock-daisy

Hall, H.H. & S. Flowers. 1961. Vascular plants found in the Navajo Reservoir Basin, pp. 47-87. IN: D.M. Pendergast (ed.). Ecological studies of the flora and fauna of Navajo Reservoir Basin, Colorado and New Mexico. Univ. Utah Anthropological Papers, number 55.
Hershey, A.L. 1940. Notes on New Mexico plants -- II. Leaflets of Western Botany 2(15):257-258. [*Perityle quinqueflora*]
Powell, A.M. 1973. Taxonomy of *Perityle* section *Laphamia* (Compositae- Helenieae- Peritylinae). Sida 5(2):61-128.
Todsen, T.K. 1973. Comments on New Mexico flora. Sida 5(2):135. [*Perityle lemmonii*]
Yarborough, S.C. & A.M. Powell. 2006. *Perityle*, pp. 317-334. IN: Flora of North America, vol. 21. Oxford University Press.

+cernua (Greene) Shinners [M&H; Todsen 1973; W&S]
Organ Mountain rock-daisy
Laphamia cernua Greene

congesta (M.E. Jones) Shinners : Reported by Hall & Flowers (1961, as *Laphamia congesta* M.E. Jones), but this known only from Arizona; awaits verification.

coronopifolia Gray [M&H; W&S]
crow-foot rock-daisy

dissecta sensu M&H = Perityle lemmonii (Gray) MacBride
dissecta Torrey subsp. *lemmonii* (Gray) W.E. Niles = Perityle lemmonii (Gray) MacBride

lemmonii (Gray) MacBride [Todsen 1973]
Lemmon's rock-daisy
Perityle dissecta sensu M&H
Perityle dissecta Torrey subsp. *lemmonii* (Gray) W.E. Niles

megalocephala (S. Watson) J.F. Macbride : Reported by Hall & Flowers (1961, as *Laphamia megalocephala*), but this known only from California and Nevada; awaits verification.

quinqueflora (Steyermark) Shinners [Hershey 1940; M&H]
five-flower rock-daisy
Laphamia quinqueflora Steyermark

+staurophylla (Barneby) Shinners var. ***homoflora*** Todsen [Todsen 1983]
New Mexico rock-daisy

+staurophylla (Barneby) Shinners var. ***staurophylla*** [M&H]
New Mexico rock-daisy
Laphamia staurophylla Barneby

Petradoria goldenrod

Anderson, L.C. 1963. Studies on *Petradoria* (Compositae): anatomy, cytology, taxonomy. Trans. Kansas Acad. Sci. 66:632-684.

graminea Wooton & Standley = Petradoria pumila (Nuttall) Greene var. graminea (Wooton & Standley) S.L. Welsh
pumila (Nuttall) Greene subsp. *graminea* (Wooton & Standley) L.C. Anderson = Petradoria pumila (Nuttall) Greene var. graminea (Wooton & Standley) S.L. Welsh

pumila (Nuttall) Greene var. ***graminea*** (Wooton & Standley) S.L. Welsh [M&H; W&S]
grassy goldenrod
Petradoria graminea Wooton & Standley
Petradoria pumila (Nuttall) Greene subsp. *graminea* (Wooton & Standley) L.C. Anderson
Solidago graminea (Wooton & Standley) Blake

pumila (Nuttall) Greene var. ***pumila*** [M&H; W&S]
rock goldenrod
Solidago petradoria Blake

Picradenia helenioides Rydberg = Hymenoxys helenioides (Rydberg) Cockerell
richardsonii Hooker = Hymenoxys richardsonii (Hooker) Cockerell var. richardsonii
vaseyi (Gray) Greene = Hymenoxys vaseyi (Gray) Cockerell

Picradeniopsis false bahia

Steussy, T.R., R.S. Irving, and W.L. Ellison. 1973. Hybridization and evolution in *Picradeniopsis* (Compositae). Brittonia 25:40-56.

dealbata (Gray) Wooton & Standley = Bahia absinthifolia Bentham

oppositifolia (Nuttall) Rydberg ex Britton [M&H; W&S]
false bahia
Bahia oppositifolia (Nuttall) Gray

woodhousei (Gray) Rydberg [M&H; W&S]
Woodhouse's false bahia
Achyropappus woodhousei Gray
Bahia woodhousei (Gray) Gray

Picrothamnus desertorum Nuttall = Artemisia spinescens D.C. Eaton

Pinaropappus rock-lettuce

Hershey, A.L. & P.J. Leyendecker, Jr. 1944. Notes on plants of New Mexico—III. Leaflets of Western Botany 4(2):21-25. [*Pinaropappus parvus*]

parvus Blake [Hershey & Leyendecker 1944; M&H]
small rock-lettuce

roseus Lessing var. *foliosus* (Heller) Shinners = Pinaropappus roseus Lessing

roseus Lessing [M&H]
rock-lettuce
Pinaropappus roseus Lessing var. *foliosus* (Heller) Shinners

Platyschkuhria basin-daisy

Brown, G.K. 1983. Chromosome numbers in *Platyschkuhria* Rydberg (Compositae) and their systematic significance. Amer. J. Bot. 70:591-601.
Ellison, W.L. 1964. A systematic study of the genus *Bahia* (Compositae). Rhodora 66:67-86, 177-215, 281-311.
Ellison, W.L. 1971. Taxonomy of *Platyschkuhria* (Compositae). Brittonia 23:269-279.

integrifolia (Gray) Rydberg var. ***oblongifolia*** (Gray) Ellison [M&H; W&S]
basin-daisy
Bahia oblongifolia Gray
Bahia nudicaulis Gray var. *oblongifolia* (Gray) Cronquist
Eriophyllum oblongifolium (Gray) Kuntze
Schkuhria integrifolia Gray var. *oblongifolia* Gray

Plectocephalus basketflower

Allred, K.W. & R. Lee. 1999. Knapweeds, starthistles, and basketflowers of New Mexico. The New Mexico Botanist 10:1-4.

americanus (Nuttall) D. Don [Allred & Lee 1999; M&H; W&S]
American basketflower
Centaurea americana Nuttall

rothrockii (Greenman) D.J.N. Hind [Allred & Lee 1999; M&H]
Rothrock's basketflower
Centaurea rothrockii Greenman

Pluchea arrow-weed

Gillis, W.T. 1977. *Pluchea* revisited. Taxon 26:587-591.
Nesom, G.L. 1989. New species, new sections, and a taxonomic overview of American *Pluchea* (Compositae: Inuleae). Phytologia 67(2):158-167.

camphorata sensu W&S = Pluchea odorata

odorata (Linnaeus) Cassini [M&H; W&S]
sweet-scent
Pluchea camphorata sensu W&S
Pluchea purpurascens (Swartz) A.P. de Candolle
Conyza purpurascens Swartz

purpurascens (Swartz) A.P. de Candolle = Pluchea odorata (Linnaeus) Cassini

sericea (Nuttall) Cavanilles [M&H; W&S]
arrow-weed
Berthelotia sericea (Nuttall) Rydberg
Polypappus sericeus Nuttall
Tessaria sericea (Nuttall) Shinners

Plummera ambigens of NM authors = Hymenoxys ambigens (S.F. Blake) Bierner var. neomexicana Wagner, Fletcher, & Shannon
Podospermum laciniatum (Linnaeus) A.P. de Candolle = Scorzonera laciniata Linnaeus
Polypappus sericeus Nuttall = Plucea sericea (Nuttall) Cavanilles
Polypteris hookeriana Gray = Palafoxia sphacelata (Nuttal ex Torrey) Cory

Porophyllum poreleaf

Johnson, R.R. 1969. Monograph of the plant genus *Porophyllum* (Compositae: Helenieae). Univ. Kansas Sci. Bull. 48:225-267.

gracile Bentham [Johnson 1969; M&H]
slender poreleaf

macrocephalum A.P. de Candolle = Porophyllum ruderale (Jacquin) Cassini subsp. macrocephalum (A.P. de Candolle) R.R. Johnson

ruderale (Jacquin) Cassini subsp. ***macrocephalum*** (A.P. de Candolle) R.R. Johnson [M&H]
yerba porosa
Porophyllum macrocephalum A.P. de Candolle

scoparium Gray [Johnson 1969; M&H; W&S]
Trans-Pecos poreleaf

Prenanthella brightwhite

Tomb, A.S. 1972. Re-establishment of the genus *Prenanthella* Rydberg (Compositae: Cichorieae). Brittonia 24:223-228.

exigua (Gray) Rydberg [M&H; Sivinski 1997; Spellenberg et al. 1986]
brightwhite
Lygodesmia exigua (Gray) Gray
Prenanthes exigua Gray

Prenanthes exigua Gray = Prenanthella exigua (Gray) Rydberg
juncea Pursh = Lygodesmia juncea (Pursh) D. Don ex Hooker
pauciflora Torrey = Stephanomeria pauciflora (Torrey) A. Nelson
tenuifolia Torrey [not Linnaeus] = Stephanomeria minor (Hooker) Nuttall
Prionopsis ciliata Nuttall = Grindelia ciliata (Nuttall) Sprengel

Psacalium Indianbush

Barkley, T.M. 1999. The segregates of *Senecio*, s.l., and *Cacalia*, s.l., in the flora of North America north of Mexico. Sida 18(3):661-672.
Robinson, H. and R.D. Brettell. 1973. Studeis in the Senecioneae (Asteraceae). III. The genus *Psacalium*. Phytologia 27(4):254-264.

decompositum (Gray) H.E. Robinson & Brett [M&H; W&S]
desert Indianbush
Cacalia decomposita Gray
Mesadenia decomposita (Gray) Standley

Psathyrotes annua (Nuttall) Gray : Reported by W&S based on erroneous information about the type locality.
scaposa Gray = Psathyrotopsis scaposa (Gray) H. Robinson

Psathyrotopsis turtleback

Cronquist, A. 1994. *Psathyrotes*, pp. 101-102. IN: Intermountain Flora, vol. 5. New York Botanical Garden.
Strother, J.L. & G. Pilz. 1975. Taxonomy of *Psathyrotes* (Compositae: Senecioneae). Madroño 23:24-40.

scaposa (Gray) H. Robinson [M&H]
naked turtleback
Psathyrotes scaposa Gray

Pseudoclappia clapdaisy

arenaria Rydberg [M&H; W&S]
Trans-Pecos clapdaisy
Clappia suaedifolia sensu W&S, not Gray

Pseudognaphalium rabbit-tobacco

Cronquist, A. 1994. *Gnaphalium*, pp. 362-366. IN: Intermountain Flora, vol. 5. New York Botanical Garden.
Nesom, G.L. 2001. New records in *Pseudognaphalium* (Asteraceae: Gnaphalieae) for the United States. Sida 19(4):1185-1190.
Nesom, G.L. 2004. *Pseudognaphalium canescens* (Asteraceae: Gnaphalieae) and putative relatives in western North America. Sida 21(2):781-789.

canescens (A.P. de Candolle) W.A. Weber [Nesom 2004; M&H]
Wright's rabbit-tobacco
Gnaphalium canescens A.P. de Candolle
Gnaphalium viridulum I. M. Johnston
Gnaphalium wrightii Gray

jaliscense (Greenman) A. Anderberg [Nesom 2001]
Jaliso rabbit-tobacco
Gnaphalium jaliscense Greenman

leucocephalum (Gray) A. Anderberg [McIntosh 1996]
white rabbit-tobacco
Gnaphalium leucocephalum Gray

****leuteoalbum*** (Linnaeus) Hilliard & Burtt [Nesom 2001]
Jersey rabbit-tobacco
Gnaphalium leuteoalbum Linnaeus

macounii (Greene) Kartesz [M&H]
Macoun's rabbit-tobacco
Gnaphalium decurrens Ives
Gnaphalium macounii Greene

pringlei (Gray) A. Anderberg [M&H; Wagner 1979]
Pringle's rabbit-tobacco
Gnaphalium pringlei Gray

stramineum (Kunth) W.A. Weber [M&H]
cotton-batting-plant
Gnaphalium chilense Sprengel
Gnaphalium stramineum Kunth
Gnaphalium sulphurescens Rydberg

viscosum sensu NM reports = Pseudognaphalium macounii (Greene) Kartesz

Psilactis ray-aster

Morgan, D.R. 1993. A molecular systematic study and taxonomic revision of Psilactis (Asteraceae: Astereae). Syst. Bot. 18(2):290-308.

asteroides A. Gray [Morgan 1993; M&H; W&S]
New Mexico ray-aster
Aster boltoniae Greene
Machaeranthera boltoniae (Greene) Turner & Horne

brevilingulata Schultz-Bipontinus ex Hemsley [Morgan 1993]
Trans-Pecos ray-aster
Machaeranthera brevilingulata (Schultz-Bipontinus ex Hemsley) B.L. Turner & Horne

Psilostrophe paper-flower

Brown, R.C. 1978. Biosystematics of *Psilostrophe* (Compositae: Helenieae). II. Artificial hybridization and systematic treatment. Madroño 25:187-201.
Turner, B.L., M.W. Turner, & J.C. Crutchfield. 1988. Populational analyses and new combinations in *Psilostrophe tagetina* and *P. gnaphalodes* (Asteraceae, Heliantheae). Phytologia 65:231-237.

cooperi (Gray) Greene [M&H; W&S]
white-stem paper-flower
Riddellia cooperi Gray

grandiflora Rydberg = Psilostrophe tagetina (Nuttall) Greene

sparsiflora (Gray) A. Nelson [M&H; W&S]
green-stem paper-flower
Riddellia tagetina Nuttall var. *sparsiflora* Gray

tagetina (Nuttall) Greene var. *grandiflora* (Rydberg) Heiser = Psilostrophe tagetina (Nuttall) Greene
tagetina (Nuttall) Greene var. *lanata* A. Nelson = Psilostrophe tagetina (Nuttall) Greene
tagetina (Nuttall) Greene var. *cerifera* (A. Nelson) Turner = Psilostrophe villosa Rydberg

tagetina (Nuttall) Greene [M&H; W&S]
paper-flower
Psilostrophe grandiflora Rydberg
Psilostrophe tagetina (Nuttall) Greene var. *grandiflora* (Rydberg) Heiser

Psilostrophe tagetina (Nuttall) Greene var. *lanata* A. Nelson
Riddellia tagetina Nuttall

villosa Rydberg [M&H; Turner et al. 1988]
wooly paper-flower
Psilostrophe tagetina (Nuttall) Greene var. *cerifera* (A. Nelson) B. Turner

Ptiloria bigelovii (Gray) Wooton & Standley = Stephanomeria exigua Nuttall
exigua (Nuttall) Greene = Stephanomeria exigua Nuttall
neomexicana Greene = Stephanomeria minor (Hooker) Nuttall
pauciflora (Torrey) Rafinesque = Stephanomeria pauciflora (Torrey) A. Nelson
ramosa Rydberg = Stephanomeria minor (Hooker) Nuttall
tenuifolia (Torrey) Rafinesque = Stephanomeria minor (Hooker) Nuttall
thurberi (Gray) Greene = Stephanomeria thurberi Gray

Pyrrhopappus false-dandelion
Correll, D.S. & M.C. Johnston. 1970. Manual of the Vascular Plants of Texas. Texas Research Foundation, Renner, Texas. [*Pyrrhopappus grandiflorus*]
Northington, D.K. 1974. Systematic studies of the genus *Pyrrhopappus* (Compositae, Cichorieae). Special Publ. No. 6. The Museum, Texas Tech Univ., Lubbock.
Turner, B.L. and Ki-Soong Kim. 1990. An overview of the genus *Pyrrhopappus* (Asteraceae: Lactuceae) with emphasis on chloroplast DNA restriction site data. Amer. J. Bot. 77:845-850.
grandiflorus (Nuttall) Nuttall : Reported by Correll & Johnston 1970, but validating specimens not known; awaits verification.
multicaulis A.P. de Candolle = Pyrrhopappus pauciflorus (D. Don) A.P. de Candolle
pauciflorus (D. Don) A.P. de Candolle [M&H; W&S]
Texas false-dandelion
Pyrrhopappus multicaulis A.P. de Candolle
Sitilias multicaulis (A.P. de Candolle) Greene

Pyrrocoma goldenweed
Lane, M.A. & R.L. Hartman. 1996. Reclassification of North American *Haplopappus* (Compositae: Astereae) completed: *Rayjacksonia* gen. nov. Amer. J. Bot. 83(3):356-370.
amplectens Greene = Pyrrocoma crocea (Gray) Greene
crocea (Gray) Greene [M&H; W&S]
curly-head goldenweed
Haplopappus croceus Gray
Pyrrocoma amplectens Greene

Rafinesquia desert chicory
neomexicana Gray [M&H]
desert chicory, New Mexico plumeseed
Nemoseris neomexicana (Gray) Greene

Ratibida Mexican-hat
Richards, E.L. 1968. A monograph of the genus *Ratibida*. Rhodora 70:348-393.
columnaris (Sims) D. Don = Ratibida columnifera (Nuttall) Wooton & Standley forma columnifera
columnifera (Nuttall) Wooton & Standley forma ***columnifera*** [M&H; W&S]
Mexican-hat
Ratibida columnaris (Sims) D. Don
Rudbeckia columnaris Pursh
columnifera (Nuttall) Wooton & Standley forma ***pulcherrima*** (A.P. de Candolle) Fernald [M&H; W&S]
Mexican-hat
Ratibida columnifera (Nuttall) Wooton & Standley [subsp.?] *pulcherrima* (A.P. de Candolle) Wooton & Standley
columnifera (Nuttall) Wooton & Standley [subsp.?] *pulcherrima* (A.P. de Candolle) Wooton & Standley = Ratibida columnifera (Nuttall) Wooton & Standley forma pulcherrima (A.P. de Candolle) Fernald
tagetes (James) Barnhart [M&H; W&S]
green Mexican-hat
Ratibida tagetes (James) Barnhart var. *cinera* Standley
Rudbeckia tagetes James
tagetes (James) Barnhart var. *cinera* Standley = Ratibida tagetes (James) Barnhart

Rayjacksonia daisy
Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Rayjacksonia annua*]
Lane, M.A. & R.L. Hartman. 1996. Reclassification of North American *Haplopappus* (Compositae: Astereae) completed: *Rayjacksonia* gen. nov. Amer. J. Bot. 83(3):356-370.
annua (Rydberg) Hartman & Lane [Allred 1999]
camphor-daisy
Haplopappus phyllocephalus A.P. de Candolle subsp. *annuus* (Rydberg) Hall
Sideranthus annuus Rydberg

Riddellia cooperi Gray = Psilostrophe cooperi (Gray) Greene
tagetina Nuttall = Psilostrophe tagetina (Nuttall) Greene
tagetina Nuttall var. *sparsiflora* Gray = Psilostrophe sparsiflora (Gray) A. Nelson

Roldana hairwort
Funston, A.M. 2006. *Roldana*, p. 620-621. IN: Flora of North America, vol. 20. Oxford University Press.
hartwegii (Bentham) H. Robinson & Brettell [Funston 2006]
yellow hairwort
Senecio hartwegii Bentham

Rothia flavescens = Hymenopappus flavescens Gray var. flavescens
mexicana (Gray) Kuntze = Hymenopappus mexicanus Gray
tenuifolia Kuntze = Hymenopappus tenuifolius Pursh

Rudbeckia coneflower

Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233.

ampla A. Nelson = Rudbeckia laciniata Linnaeus
amplexicaulis Vahl [M&H; W&S]
clasping coneflower
Dracopis amplexicaulis (Vahl) Cassini
columnaris Pursh = Ratibida columnifera (Nuttall) Wooton & Standley
flava Moore = Rudbeckia hirta Linnaeus
hirta Linnaeus var. ***pulcherrima*** Farwell [M&H; W&S]
black-eyed Susan
Rudbeckia flava Moore
laciniata Linnaeus var. ***ampla*** (A. Nelson) Cronquist [M&H; W&S]
green-head coneflower
Rudbeckia ampla A. Nelson
Rudbeckia latissima Greene
laciniata Linnaeus var. ***laciniata*** [Hartman et al. 2006]
green-head coneflower
latissima Greene = Rudbeckia laciniata Linnaeus
tagetes James = Ratibida tagetes (James) Barnhart

Rydbergia brandegeei (Porter) Rydberg = Hymenoxys brandegeei (Porter ex Gray) Parker

Sanvitalia Abert's dome

Torres, A.M. 1964. Revision of *Sanvitalia* (Compositae -- Heliantheae). Brittonia 16:417-433.

abertii Gray [M&H; Torres 1964]
Abert's dome

Sartwellia sartwellia

Turner, B.L. 1971. Taxonomy of *Sartwellia* (Compositae, Helenieae). Sida 4:265-273.

flaveriae Gray [M&H; Turner 1971]
sartwellia

Scabrethia scabra (Hooker) W.A. Weber subsp. *attenuata* (W.A. Weber) W.A. Weber = Wyethia scabra Hooker var. attenuata W.A. Weber
scabra (Hooker) W.A. Weber subsp. *canescens* (W.A. Weber) W.A. Weber = Wyethia scabra Hooker var. canescens W.A. Weber

Schkuhria threadleaf

Ellison, W.L. 1964. A systematic study of the genus Bahia (Compositae). Rhodora 66:67-86, 177-215, 281-311.
Heiser, C.B., Jr. 1945. A revision of the genus *Schkuhria*. Ann. Missouri Bot. Gard. 313:279-301.

integrifolia Gray var. *oblongifolia* Gray = Platyschkuhria integrifolia (Gray) Rydberg var. oblongifolia (Gray) Ellison
multiflora Hooker & Arnott [M&H; W&S]
New Mexico threadleaf
Achyropappus neomexicanus Gray
Bahia neomexicana (Gray) Gray
Cephalobembix neomexicana (Gray) Rydberg
Schkuhria neomexicana Gray
neomexicana Gray = Schkuhria multiflora Hooker & Arnott
pinnata (Lamarck) Kuntze ex Thellung var. ***wislizeni*** (Gray) B.L. Turner [M&H; W&S]
Wislizenus's threadleaf
Schkuhria wislizeni Gray
Schkuhria wislizeni Gray var. *frustrata* Blake
Schkihria wislizeni Gray var. *wrightii* (Gray) Blake
Schkuhria wrightii Gray
wislizeni Gray = Schkuhria pinnata (Lamarck) Kuntze ex Thellung var. wislizeni (Gray) B.L. Turner
wislizeni Gray var. *frustrata* Blake = Schkuhria pinnata (Lamarck) Kuntze ex Thellung var. wislizeni (Gray) B.L. Turner
wislizeni Gray var. *wrightii* (Gray) Blake = Schkuhria pinnata (Lamarck) Kuntze ex Thellung var. wislizeni (Gray) B.L. Turner
wrightii Gray = Schkuhria pinnata (Lamarck) Kuntze ex Thellung var. wislizeni (Gray) B.L. Turner

Scorzonera vipergrass

Sivinski, R., T. Lowrey, & R. Peterson. 1994. Additions to the native and adventive flora of New Mexico. Phytologia 76(6):473-479. [*Scorzonera laciniata*]

****laciniata*** Linnaeus [Sivinski et al. 1994]
false salsify, cut-leaf vipergrass
Podospermum laciniatum (Linnaeus) A.P. de Candolle

Selloa glutinosa Sprengel = Gymnosperma glutinosum (Sprengel) Lessing

Senecio groundsel

Barkley, T.M. 1962. A revision of *Senecio aureus* Linn. and allied species. Trans. Kansas Acad. Sci. 65:318-408.
Barkley, T.M. 1978. *Senecio*, N. Amer. Fl. II(10):50-139.
Barkley, T.M. 1980. Taxonomic notes on *Senecio tomentosus* and its allies (Asteraceae). Brittonia 32(3):291-308.
Barkley, T.M. 1989. New taxa and nomenclatural combinations in *Senecio* in Mexico and the United States. Phytologia 67(3):237-253.
Barkley, T.M. 1999. The segregates of *Senecio*, s.l., and *Cacalia*, s.l., in the flora of North America north of Mexico. Sida 18(3):661-672.
Barkley, T.M. 2006. *Senecio*, p. 544-570. IN: Flora of North America, vol. 20. Oxford University Press.
Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*S. serra admirabilis*]

Mahoney, A.K., V.W. Kong, & R.R. Kowal. 2002. Documented chromosome numbers 2002:3. Chromosome counts for *Packera paupercula* var. *appalachiana* (Asteraceae: Senecioneae). Sida 20(2):605-610. [*Senecio plattensis*]
Peterson, R.S. 2005. Lost: One groundsel. The New Mexico Botanist 32:8. [*Senecio millelobatus*]
Turner, B.L. and T.M. Barkley. 1990. Taxonomic overview of the *Senecio flaccidus* complex in North America, including *S. douglasii*. Phytologia 68(6):51-55.

accedens Greene = Senecio bigelovii Gray var. hallii Gray

actinella Greene [M&H; W&S]
Flagstaff groundsel
Senecio actinella Greene var. *mogollonicus* (Greene) Greenman
Senecio mogollonicus Greene

actinella Greene var. *mogollonicus* (Greene) Greenman = Senecio actinella Greene

acutidens Rydberg = Packera streptanthifolia (Greene) W.A. Weber & A. Löve

ambrosioides Rydberg = Senecio eremophilus Richardson var. kingii (Rydberg) Greenman

amplectens Gray var. ***amplectens*** [M&H; W&S]
alpine groundsel
Ligularia amplectens (Gray) W.A. Weber

amplectens A. Gray var. ***holmii*** (Greene) Harrington [Sivinski et al. 1995]
alpine groundsel
Ligularia holmii (Greene) W.A. Weber

amplectens Gray var. *taraxacoides* Gray = Senecio taraxacoides (Gray) Greene

anacletus Greene = Senecio wootonii Greene

arizonicus Greene : Reported as expected by M&H map; awaits verification.

atratus Greene [M&H; W&S]
black-tip groundsel

bigelovii Gray var. ***bigelovii*** [M&H; W&S]
Bigelow's groundsel
Ligularia bigelovii (Gray) W.A. Weber
Senecio chloranthus Greene
Senecio rusbyi Greene

bigelovii Gray var. ***hallii*** Gray [M&H; W&S]
Hall's groundsel
Ligularia bigelovii (Gray) W.A. Weber var. *hallii* (Gray) W.A. Weber
Senecio accedens Greene
Senecio scopulinus Greene

canovirens Rydberg = Packera fendleri (Gray) W.A. Weber & A. Löve

canus Hooker = Packera cana (Hooker) W.A. Weber & A. Löve

cardamine Greene = Packera cardamine (Greene) W.A. Weber & A. Löve

carthamoides Greene = Senecio fremontii Torrey & Gray var. blitoides (Greene) Cronquist

cernuus Gray = Senecio pudicus Greene

chloranthus Greene = Senecio bigelovii Gray var. bigelovii

cliffordii Atwood & Welsh = Packera spellenbergii (T.M. Barkley) C. Jeffrey

crassulus Gray [M&H; W&S]
thick-leaf groundsel
Senecio lapathifolius Greene

crocatus Rydberg = Packera crocata (Rydberg) W.A. Weber & A. Löve

cymbalarioides Nuttall (not S. cymbalarioides Huek) = Packera streptanthifolia (Nuttall) W.A. Weber & A. Löve

cynthioides Greene = Packera cynthioides (Greene) W.A. Weber & A. Löve

dimorphophyllus Greene = Packera dimorphophylla (Greene) W.A. Weber & A. Löve

douglasii A.P. de Candolle var. *douglasii* = Senecio flaccidus Lessing var. douglasii (A.P. de Candolle) B. Turner & T. Barkley

douglasii A.P. de Candolle var. *longilobus* (Bentham) L. Benson = Senecio flaccidus Lessing var. flaccidus

douglasii A.P. de Candolle var. *longilobus* (Bentham) L. Benson = Senecio flaccidus Lessing var. monoensis (Greene) B.L. Turner & T. Barkley

eremophilus Richardson var. ***kingii*** (Rydberg) Greenman [M&H; W&S]
mountain groundsel
Senecio ambrosioides Rydberg non Martius
Senecio eremophilus Richardson subsp. *kingii* (Rydberg) Douglas & R.-Douglas

eremophilus Richardson var. ***macdougalii*** (Heller) Cronquist [Barkley 2006]
mountain groundsel
Senecio macdougalii Heller

eremophilus Richardson var. *macdougalii* (Heller) Cronquist = Senecio eremophilus Richardson var. kingii (Rydberg) Greenman

eremophilus Richardson subsp. *kingii* (Rydberg) Douglas & R.-Douglas = Senecio eremophilus Richardson var. kingii (Rydberg) Greenman

eurypterus Greenman = Packera neomexicana (Greenman) W.A. Weber & A. Löve var. neomexicana

fendleri Gray = Packera fendleri (Gray) W.A. Weber & A. Löve

filifolius Nuttall = Senecio flaccidus Lessing var. flaccidus

filifolius Nuttall var. *jamesii* Torrey & Gray = Senecio flaccidus Lessing var. flaccidus

flaccidus Lessing var. douglasii (A.P. de Candolle) B. Turner & T. Barkley : Restricted to California and western Mexico by Barkley (2000); our material referred to Senecio warnockii Shinners
Senecio douglasii A.P. de Candolle

flaccidus Lessing var. ***flaccidus*** [M&H; W&S]

thread-leaf groundsel
Senecio douglasii A.P. de Candolle var. *longilobus* (Bentham) L. Benson
Senecio filifolius Nuttall
Senecio filifolius Nuttall var. *jamesii* Torrey & Gray
Senecio longilobus Bentham

flaccidus Lessing var. ***monoensis*** (Greene) B. Turner & T. Barkley [Turner & Barkley 1990]
thread-leaf groundsel
Senecio douglasii A.P. de Candolle var. *monoensis* (Greene) Jepson
Senecio monoensis Greene

flavovirens Rydberg = Packera paupercula (Michaux) W.A. Weber & A. Löve
flavulus Greene = Packera pseudaurea (Rydberg) W.A. Weber & A. Löve var. flavula (Greene) Trock & Barkley

fremontii Torrey & Gray var. ***blitoides*** (Greene) Cronquist [M&H; W&S]
Fremont's groundsel
Senecio carthamoides Greene

hartianus Heller = Packera hartiana (Heller) W.A. Weber & A. Löve
hartwegii Bentham = Rodana hartwegii (Bentham) H. Robinson & Brettell

integerrimus Nuttall var. ***integerrimus*** [Sivinski et al. 1995]
lamb-tongue groundsel

lapathifolius Greene = Senecio crassulus Gray
longilobus Bentham = Senecio flaccidus Lessing var. flaccidus
macdougalii Heller = Senecio eremophilus Richardson var. kingii (Rydberg) Greenman
metcalfei Greene = Packera neomexicanus (Gray) W.A. Weber & A. Löve var. mutabilis (Greene) W.A. Weber & A. Löve
microdontus (Gray) Heller = Senecio wootonii Greene
millelobatus Rydberg : Reported for NM in M&H and W&S, based on a C. Wright collection thought to be in NM, but known to be in Texas; no specimens of this are known from the state (Peterson 2005).
Packera millelobata (Rydberg) W.A. Weber & A. Löve
mogollonicus Greene = Senecio actinella Greene var. mogollonicus (Greene) Greenman
monoensis Greene = Senecio flaccidus Lessing var. monoensis (Greene) B.L. Turner & T. Barkley
multicapitatus Greenman in Rydberg = Senecio spartioides Torrey & Gray
multilobatus Torrey & Gray ex Gray = Packera multilobata (Torrey & Gray ex Gray) W.A. Weber & A. Löve
mutabilis Greene = Packera neomexicana (Gray) W.A. Weber & A. Löve var. mutabilis (Greene) W.A. Weber & A. Löve
neomexicanus Gray var. *metcalfei* (Greene) T.M. Barkley = Packera neomexicana (Gray) W.A. Weber & A. Löve var. mutabilis (Greene) W.A. Weber & A. Löve
neomexicanus Gray var. *mutabilis* (Greene) T.M. Barkley = Packera neomexicana (Gray) W.A. Weber & A. Löve var. mutabilis (Greene) W.A. Weber & A. Löve
neomexicanus Gray = Packera neomexicana (Gray) W.A. Weber & A. Löve var. neomexicana
neomexicanus Gray var. *toumeyi* (Greene) T.M. Barkley = Packera neomexicana (Gray) W.A. Weber & A. Löve var. toumeyi (Greene) Trock & Barkley
oblanceolatus Rydberg = Packera tridenticulata (Rydberg) W.A. Weber & A. Löve
obovatus Muhlenberg ex Willdenow = Packera obovata (Muhlenberg ex Willdenow) W.A. Weber & A. Löve
oresbius Greenman = Packera neomexicana (Gray) W.A. Weber & A. Löve var. neomexicana

parryi Gray [M&H; W&S]
Parry's groundsel

pauperculus Michaux = Packera paupercula (Michaux) W.A. Weber & A. Löve
pentadontus Greene = Packera werneriifolia (Gray) W.A. Weber & A. Löve
plattensis Nuttall = Packera plattensis (Nuttall) W.A. Weber & A. Löve
pseudaureus Rydberg var. *flavulus* (Greene) Greenman = Packera pseudaurea (Rydberg) W.A. Weber & A. Löve var. flavula (Greene) Trock & Barkley

pudicus Greene [M&H; W&S]
bashful groundsel
Ligularia pudica (Greene) W.A. Weber
Senecio cernuus Gray

quaerens Greene = Packera hartiana (A. Heller) W.A. Weber & A. Löve
quercetorum Greene = Packera quercetorum (Greene) C. Jeffrey
remifolius Wooton & Standley = Packera tridenticulata (Rydberg) W.A. Weber & A. Löve

riddellii Torrey & Gray [M&H; W&S]
Riddell's groundsel
Senecio spartioides Torrey & Gray var. *riddellii* (Torrey & Gray) Greenman

rusbyi Greene = Senecio bigelovii Gray var. bigelovii

+sacramentanus Wooton & Standley [M&H; W&S]
Sacramento Mountain groundsel

salignus A.P. de Candolle = Barkleyanthus salicifolius (Kunth) H. Robinson & Brettell
sanguisorboides Rydberg = Packera sanguisorboides (Rydberg) W.A. Weber & A. Löve
saxosus Klatt = Packera werneriifolia (Gray) W.A. Weber & A. Löve
scopulinus Greene = Senecio bigelovii Gray var. hallii Gray

serra Hooker var. ***admirabilis*** (Greene) A. Nelson [Heil et al. 2002]
tall groundsel

soldanella Gray [Spellenberg et al. 1986]

Colorado groundsel
Ligularia soldanella (Gray) W.A. Weber
spartioides Torrey & Gray [M&H; W&S]
broom groundsel
Senecio multicapitatus Greenman in Rydberg
Senecio spartioides Torrey & Gray var. *multicapitatus* (Greenman in Rydberg) S.L. Welsh
spartioides Torrey & Gray var. *multicapitatus* (Greenman ex Rydberg) S.L. Welsh = Senecio spartioides Torrey & Gray
spartioides Torrey & Gray var. *riddellii* (Torrey & Gray) Greenman = Senecio riddellii Torrey & Gray
spellenbergii T.M. Barkley = Packera spellenbergii (T.M. Barkley) C. Jeffrey
streptanthifolius Greene = Packera streptanthifolia (Greene) W.A. Weber & A. Löve
taraxacoides (Gray) Greene [M&H; W&S]
dandelion groundsel
Ligularia taraxacoides (Gray) W.A. Weber
Senecio amplectens Gray var. *taraxacoides* Gray
thurberi Gray = Packera neomexicana (Gray) W.A. Weber & A. Löve var. neomexicana
toluccanus var. *microdontus* Gray = Senecio wootonii Greene
triangularis Hooker [M&H; W&S]
arrow-leaf groundsel
tridenticulatus Rydberg = Packera tridenticulata (Rydberg) W.A. Weber & A. Löve
vulgaris Linnaeus [M&H; W&S]
old-man-in-the-spring, common groundsel
warnockii Shinners [Barkley 2006]
Warnock's groundsel
werneriifolius (Gray) Gray = Packera werneriifolia (Gray) W.A. Weber & A. Löve
wootonii Greene [M&H; W&S]
Wooton's groundsel
Senecio anacletus Greene
Senecio microdontus (Gray) Heller, not Senecio microdontus Baker
Senecio toluccanus var. *microdontus* Gray
Serratula arvensis Linnaeus = Cirsium arvensis (Linnaeus) Scopoli
Seriphidium bigelovii (Gray) K. Bremer & Humphries = Artemisia bigelovii Gray
novum (A. Nelson) W.A. Weber = Artemisia nova A. Nelson
pygmaeum (A. Gray) W.A. Weber = Artemisia pygmaea A. Gray
tridentatum (Nuttall) W.A. Weber = Artemisia tridentata Nuttall
tidentatum (Nuttall) W.A. Weber subsp. *wyomingense* (Beetle & A.M. Young) W.A. Weber = Artemisia tridentata Nuttall subsp. wyomingensis Beetle & A.M. Young
vaseyanum (Rydberg) W.A. Weber = Artemisia tridentata Nuttall subsp. vaseyana (Rydberg) Beetle
Sideranthus annuus Rydberg = Rayjacksonia annua (Rydberg) Hartman & Lane
australis (Greene) Rydberg = Xanthisma spinulosum (Pursh) Morgan & Hartman var. spinulosum
glaberrimus Rydberg = Xanthisma glaberrimum (Rydberg) Nesom & O'Kennon
gracilis (Nuttall) Rydberg = Xanthisma gracile (Nuttall) Morgan & Hartman
grindelioides Nuttall = Xanthisma grindelioides (Nuttall) Morgan & Hartman
laevis Wooton & Standley = Xanthisma spinulosum (Pursh) Morgan & Hartman var. spinulosum
serratus (Greene) Standley = Xanthisma blephariphyllum (Gray) Morgan & Hartman
spinulosus (Pursh) Sweet ex Rydberg = Xanthisma spinulosum (Pursh) Morgan & Hartman var. spinulosum
viscidus Wooton & Standley = Xanthisma viscidum (Wooton & Standley) Morgan & Hartman
wootonii (Greene) Standley = Xanthisma spinulosum (Pursh) Morgan & Hartman var. spinulosum

Silphium compass-plant
Clevinger, J.A. 2006. *Silphium*, pp. 77-82. IN: Flora of North America, vol. 21. Oxford University Press. [*Silphium integrifolium*]
Heil, K. & A. Clifford. 2003. Plant distribution reports. The New Mexico Botanist 28:8. [*Silphium laciniatum*]
integrifolium Michaux var. ***laeve*** Torrey & Gray [Clevinger 2006]
smooth compass-plain
laciniatum Linnaeus [Heil & Clifford 2003]
compass-plant

Silybum milk-thistle
Moore, R.J. & C. Frankton. 1974. The thistles of Canada. Res. Branch, Canada Dept. Agr., Monogr. No. 10.
marianum (Linnaeus) Gaertner [Spellenberg et al. 1986]
blessed milk-thistle
Carduus marianus Linnaeus

Simsia bush-sunflower
Spooner, D.M. 1990. Systematics of *Simsia* (Compositae-Heliantheae). Syst. Bot. Monogr. 30:1-90.
Worthington, R.D. 2002. New plant distribution records. The New Mexico Botanist 22:7. [*Simsia lagascaeformis*]
calva (Engelmann & Gray) Gray [Spooner 1990]
bush-sunflower
exaristata Gray = Simsia lagasceiformis A.P. de Candolle
lagascaeformis A.P. de Candolle [Spooner 1990; Worthington 2002]
bush-sunflower

Encelia exaristata (Gray) Gray
Simsia exaristata Gray

scaposa Gray = Encelia scaposa (Gray) Gray

Sitilias multicaulis (A.P. de Candolle) Greene = Pyrrhopappus pauciflorus (D. Don) A.P. de Candolle

Solidago goldenrod

Cockerell, T.D.A. & D.M. Andrews. 1936. A new goldenrod from northern New Mexico. Torreya 36(2):35-36.
Keller, C.F. 1999. New Mexico *Solidagos*: A preliminary look at a difficult problem, with a tentative key. The New Mexico Botanist 11:1-5.
Nesom, G.L. 1989. Taxonomy of *Solidago velutina* with a new, related species from Mexico. Phytologia 67(6):441-450.
Nesom, G.L. 1989. *Solidago simplex*, the correct name for *S. glutinosa*. Phytologia 68:155-157.
Nesom, G.L. 1993. Taxonomic infrastructure of *Solidago* and *Oligoneuron* (Asteraceae: Astereae) and observations on their phylogenetic position. Phytologia 75(1):1-44.
Ringius, G.S. 1991. New combinations in *Solidago simplex*. Phytologia 70:396-399.
Ringius, G.S. & J.C. Semple. 1987. Cytogeography of *Solidago spathulata-glutinosa* complex. Can. J. Bot. 65:2459-2462.
Semple, J.C. 2003. New names and combinations in goldenrods, *Solidago* (Asteraceae: Astereae). Sida 20(4):1605-1606.
Semple, J.C., J.G. Chmielewski, & R.A. Brammel. 1990. A multivariate morphometric study of *Solidago nemoralis* (Compositae-Astereae) and comparison with *S. californica* and *S. sparsiflora*. Can. J. Bot. 68:2070-2082.
Semple, J.C. & R.E. Cook. 2006. *Solidago*, p. 107-166. IN: Flora of North America, vol. 20. Oxford University Press, New York.
Taylor, C. & J. Taylor. 1983. New species, new combinations and notes on the goldenrods (*Euthamia* and *Solidago*- Asteraceae). Sida 10(2):176-183.
Taylor, C. & J. Taylor. 1984. *Solidago* in Oklahoma and Texas. Sida 10:176-251.

altissima Linnaeus subsp. ***gilvocanescens*** (Rydberg) Semple [M&H; W&S]
tall goldenrod
Solidago canadensis Linnaeus var. *gilvocanescens* Rydberg
Solidago gilvocanescens (Rydberg) Smith

arizonica (Gray) Wooton & Standley = Solidago velutina A.P. de Candolle subsp. sparsiflora (Gray) Semple

aureola Greene = Solidago simplex Kunth var. simplex

bigelovii Gray = Solidago wrightii Gray var. wrightii

canadensis Linnaeus s.s. : Reported by numerous authors for western states, but I follow the narrow circumscription of Semple & Cook (2006), who show its nearest occurrence in Nebraska; NM material called this is most likely referred to Solidago lepida A.P. de Candolle, or two other species of the subsection *Triplinerviae*, Solidago altissima Linnaeus and Solidago gigantea Aiton.

canadensis sensu western authors = Solidago lepida A.P. de Candolle

canadensis Linnaeus var. *arizonica* Gray = Solidago velutina A.P. de Candolle subsp. sparsiflora (Gray) Semple

canadensis Linnaeus var. *gilvocanescens* Rydberg = Solidago altissima Linnaeus subsp. gilvocanescens (Rydberg) Semple

+***capulinensis*** Cockerell & Andrews [Cockerell & Andrews 1936]
Mt. Capulin goldenrod

ciliosa Greene = Solidago multiradiata Aiton

decemflora A.P. de Candolle = Solidago nemoralis Aiton var. longipetiolata (Mackenzie & Bush) Palmer & Steyermark

decumbens Greene = Solidago simplex Kunth var. simplex

decumbens Greene var. *oreophila* (Rydberg) Fernald = Solidago simplex Kunth var. simplex

gigantea Aiton [M&H; W&S]
late goldenrod
Solidago gigantea Aiton var. *leiophylla* Fernald
Solidago pitcheri Nuttall

gigantea Aiton var. *leiophylla* Fernald = Solidago gigantea Aiton

gilvocanescens (Rydberg) Smith = Solidago altissima Linnaeus subsp. gilvocanescens (Rydberg) Semple

glaberrima Martens = Solidago missouriensis Nuttall var. fasciculata Holzinger

glutinosa Nuttall = Solidago simplex Kunth var. simplex

graminea (Wooton & Standley) Blake = Petradoria pumila (Nuttall) Greene subsp. graminea (Wooton & Standley) L.C. Anderson

howellii Wooton & Standley = Solidago velutina A.P. de Candolle subsp. sparsiflora (Gray) Semple

lepida A.P. de Candolle var. ***lepida*** [Semple & Cook 2006]
western goldenrod
Solidago canadensis sensu western authors

lepida A.P. de Candolle var. ***salebrosa*** (Piper) Semple [Semple & Cook 2006]
western goldenrod
Solidago canadensis sensu western authors

marshallii Rothrock = Solidago missouriensis Nuttall var. missouriensis

missouriensis Nuttall var. ***fasciculata*** Holzinger [M&H; W&S]
Missouri goldenrod
Solidago glaberrima Martens

missouriensis Nuttall var. ***missouriensis*** [M&H; W&S]
Missouri goldenrod
Solidago marshallii Rothrock

missouriensis Nuttall var. ***tenuissima*** (Wooton & Standley) C. & J. Taylor [M&H; W&S]
Missouri goldenrod
Solidago tenuissima Wooton & Standley

mollis Bartling [M&H]
velvet goldenrod

multiradiata Aiton [M&H; W&S]
Rocky Mountain goldenrod

Solidago ciliosa Greene
Solidago scopulorum (Gray) A. Nelson

nana Nuttall [Cronquist 1994; Keller 1999]
baby goldenrod

nemoralis Aiton var. ***longipetiolata*** (Mackenzie & Bush) Palmer & Steyermark [M&H]
gray goldenrod
Solidago decemflora A.P. de Candolle
Solidago nemoralis Aiton var. *decemflora* (A.P. de Candolle) Fernald
Solidago nemoralis Aiton subsp. *decemflora* (A.P. de Candolle) Brammall ex Semple

nemoralis Aiton subsp. *decemflora* (A.P. de Candolle) Brammall ex Semple = Solidago nemoralis Aiton var. longipetiolata (Mackenzie & Bush) Palmer & Steyermark

nemoralis Aiton var. *decemflora* (A.P. de Candolle) Fernald = Solidago nemoralis Aiton var. longipetiolata (Mackenzie & Bush) Palmer & Steyermark

neomexicana Gray = Solidago simplex Kunth var. simplex

occidentalis (Nuttall) Torrey & Gray = Euthamia occidentalis Nuttall

oreophila Rydberg = Solidago simplex Kunth var. simplex

parryi (Gray) Greene = Oreochrysum parryi (Gray) Rydberg

petiolaris Aiton [Gleason 1963; Semple & Cook 2006]
downy goldenrod
Solidago petiolaris Aiton var. *angusta* (Torrey & Gray) Gray

petiolaris Aiton var. *angusta* (Torrey & Gray) Gray = Solidago petiolaris Aiton

petradoria Blake = Petradoria pumila (Nuttall) Greene subsp. pumila

pitcheri Nuttall = Solidago gigantea Aiton

rigida Linnaeus subsp. *humils* (Porter) S.B. Heard & Semple = Solidago rigida Linnaeus var. humilis Porter

rigida Linnaeus var. ***humilis*** Porter [M&H; Taylor & Taylor 1984; W&S]
hard-leaf goldenrod
Oligoneuron canescens Rydberg
Oligoneuron rigidum (Linnaeus) T.C. Porter
Oligoneuron rigidum (Linnaeus) Small var. *humile* (Porter) Nesom
Solidago rigida Linnaeus subsp. *humils* (Porter) S.B. Heard & Semple

sarothrae Pursh = Gutierrezia sarothrae (Pursh) Britton & Rusby

scopulorum (Gray) A. Nelson = Solidago multiradiata Aiton

simplex Kunth var. nana (Gray) Ringius : Restricted in concept by Ringius and Semple (1987) and endemic to the Pacific Northwest; NM material referred to Solidago simplex Kunth var. simplex.
Solidago spathulata A.P. de Candolle var. *nana* (Gray) Cronquist

simplex Kunth var. ***simplex*** [M&H; W&S]
New Mexico goldenrod
Solidago aureola Greene
Solidago decumbens Greene
Solidago decumbens Greene var. *oreophila* (Rydberg) Fernald
Solidago glutinosa Nuttall
Solidago neomexicana Gray
Solidago oreophila Rydberg
Solidago spathulata A.P. de Candolle subsp. *glutinosa* (Nuttall) Keck
Solidago spathulata A.P. de Candolle var. *neomexicana* (Gray) Cronquist

sparsiflora Gray = Solidago velutina A.P. de Candolle subsp. sparsiflora (Gray) Semple

spathulata A.P. de Candolle subsp. *glutinosa* (Nuttall) Keck = Solidago simplex Kunth var. simplex

spathulata A.P. de Candolle var. *nana* (Gray) Cronquist = Solidago simplex Kunth var. nana (Gray) Ringius

spathulata A.P. de Candolle var. *neomexicana* (Gray) Cronquist = Solidago simplex Kunth var. simplex

speciosa Nuttall var. subsp. *pallida* (Porter) Semple = Solidago speciosa Nuttall var. pallida Porter

speciosa Nuttall var. ***pallida*** Porter [Sivinski et al. 1995]
showy goldenrod
Solidago speciosa Nuttall var. subsp. *pallida* (Porter) Semple

tenuissima Wooton & Standley = Solidago missouriensis Nuttall var. tenuissima (Wooton & Standley) C.&J. Taylor

trinervata Greene = Solidago velutina A.P. de Candolle subsp. sparsiflora (Gray) Semple

velutina A.P. de Candolle subsp. ***sparsiflora*** (Gray) Semple [M&H; W&S]
three-nerved goldenrod
Solidago arizonica (Gray) Wooton & Standley
Solidago canadensis Linnaeus var. *arizonica* Gray
Solidago howellii Wooton & Standley
Solidago sparsiflora Gray
Solidago trinervata Greene

wrightii Gray var. ***adenophora*** Blake [M&H]
Wright's goldenrod

wrightii Gray var. ***wrightii*** [M&H; W&S]
Wright's goldenrod
Solidago bigelovii Gray

Sonchus sow-thistle

Boulos, L. 1972-74. Révision systématique du genere *Sonchus* Linnaeus. Bot. Not. 125:287-319; 126:155-196; 127:7-37, 402-451.

arvensis Linnaeus [M&H; W&S]
field sow-thistle

asper (Linnaeus) Hill [M&H; W&S]
spiny-leaf sow-thistle

biennis Moench = Lactuca biennis (Moench) Fernald

oleraceus Linnaeus [M&H; W&S]
common sow-thistle

pulchellus Pursh = Lactuca pulchella (Pursh) A.P. de Candolle

Stenotus goldenweed

Lane, M.A. & R.L. Hartman. 1996. Reclassification of North American *Haplopappus* (Compositae: Astereae) completed: *Rayjacksonia* gen. nov. Amer. J. Bot. 83(3):356-370.

armerioides Nuttall [M&H; W&S]
mock goldenweed
Haplopappus armerioides (Nuttall) Gray

Stephanomeria wire-lettuce

Goodman, G.J. and C.A. Lawson. 1995. Retracing Major Stephen H. Long's 1820 Expedition. University of Oklahoma Press. [p. 174, *S. minor*]
Gottlieb, L.D. 1972. A proposal for the classification of the annual species of *Stephanomeria* (Compositae). Madroño 21:463-481.
Gottlieb, L.B. 2006. *Stephanomeria*, p. 350-359. IN: Flora of North America, vol. 19. Oxford University Press, New York.

exigua Nuttall subsp. ***exigua*** [M&H; W&S]
twiggy wire-lettuce
Hemiptilium bigelovii Gray
Lygodesmia bigelovii (Gray) Shinners
Ptiloria bigelovii (Gray) Wooton & Standley
Ptiloria exigua (Nuttall) Greene

minor (Hooker) Nuttall [Goodman & Lawson 1995; M&H; W&S]
lesser wire-lettuce
Lygodesmia minor Hooker
Prenanthes tenuifolia Torrey [not Prenanthes tenuifolia Linnaeus]
Ptiloria neomexicana Greene
Ptiloria ramosa Rydberg
Ptiloria tenuifolia Rafinesque
Stephanomeria neomexicana (Greene) Cory
Stephanomeria ramosa (Rydberg) Kittell
Stephanomeria tenuifolia (Rafinesque) Hall
Stephanomeria wrightii Gray

tenuifolia (Rafinesque) Hall = Stephanomeria minor (Hooker) Nuttall

neomexicana (Greene) Cory = Stephanomeria minor (Hooker) Nuttall

pauciflora (Torrey) A. Nelson [M&H; W&S]
few-flowered wire-lettuce
Prenanthes pauciflora Torrey
Ptiloria pauciflora (Torrey) Rafinesque

ramosa (Rydberg) Kittell = Stephanomeria minor (Hooker) Nuttall

runcinata Nuttall : Reported by the map in Gottlieb (2006), but the map is an erroneous duplicate of that for Stephanomeria pauciflora.

tenuifolia (Torrey) Hall = Stephanomeria minor (Hooker) Nuttall

thurberi Gray [M&H; W&S]
Thurber's wire-lettuce
Lygodesmia thurberi (Gray) Shinners
Ptiloria thurberi (Gray) Greene

wrightii Gray = Stephanomeria minor (Hooker) Nuttall

Stevia candyleaf

Nesom, G.L. 2006. *Stevia*, pp. 483-486. IN: Flora of North America, vol. 21. Oxford University Press, New York. [*Stevia salicifolia*]
Nesom, G.L. & B.L. Turner. 2006. New distribution records for Eupatorieae (Asteraceae) in the United States. Sida 22(2):1249-1253.
Robinson, B.L. 1930. The stevias of North America. Contr. Gray herb. 90:90-159.

micrantha Lagasca [M&H; W&S]
annual candyleaf

plummerae Gray [M&H; W&S]
Plummer's candyleaf

salicifolia Cavanilles [Nesom 2006; Nesom & Turner 2006]
willow-leaf candyleaf

serrata Cavanilles [M&H; W&S]
saw-tooth candyleaf

sphacelata Nuttall = Palafoxia sphacelata (Nuttal ex Torrey) Cory

Stylocline wooly-heads

micropoides Gray [M&H; W&S]
wooly-heads

Symphyotrichum aster

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*S. porteri*]
Bleakly, D. 1999. New plant distribution records. The New Mexico Botanist 11:8. [*S. ciliatum*]
Brouillet, L., J.C. Semple, G.A. Allen, K.L. Chambers, & S.D. Sundberg. 2006. *Symphyotrichum*, p. 465-539. IN: Flora of North America, vol. 20. Oxford University Press.
Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*S. campestre, S. ciliatum, S. ericoides pansum*]
Nesom, G.L. 1994 [1995]. Review of the taxonomy of *Aster* sensu lato (Asteraceae: Astereae), emphasizing the New World species. Phytologia 77(3):141-297.
Sundberg, S.D. 2004. New combinations in North American *Symphyotrichum* subgenus *Astropolium* (Asteraceae: Astereae). Sida 21(2):903-910.

ascendens (Lindley) Nesom [M&H; W&S]
western aster
Aster ascendens Lindley
Aster chilensis Nees subsp. *ascendens* (Lindley) Cronquist
Aster vallicola Greene

bracteolatum auct. non (Nuttall) Nesom p.p. = Symphyotrichum eatonii (Gray) Nesom

campestre (Nuttall) G.L. Nesom [Heil et al. 2002]
western meadow aster
Aster campestris Nuttall

ciliatum (Ledebour) Nesom [Bleakly 1999; Heil et al. 2002]
alkali aster

divaricatum (Nuttall) Nesom = Symphyotrichum subulatum (Michaux) Nesom var. ligulatum (Shinners) S.D. Sundberg

eatonii (A. Gray) Howell [M&H; W&S]
Eaton's aster
Aster lonchophyllus Greene
Aster oregonus auct. non (Nuttall) Torrey & Gray
Symphyotrichum bracteolatum auct. non (Nuttall) Nesom p.p.

ericoides (Linnaeus) Nesom var. ***ericoides*** [M&H; W&S]
white heath aster
Aster ericoides Linnaeus
Aster hebecladus A.P. de Candolle
Aster multiflorus Aiton

ericoides (Linnaeus) Nesom var. ***pansum*** (Blake) Nesom [Heil et al. 2002]
white heath aster

expansum (Poeppig ex Sprengel) Nesom = Symphyotrichum subulatum (Michaux) G.L. Nesom var. parviflorum (Nees) S.D. Sundberg

falcatum (Lindley) Nesom var. ***commutatum*** (Torrey & Gray) Nesom [M&H; W&S]
prairie aster
Aster commutatus (Torrey & Gray) Gray var. *commutatus*
Aster commutatus (Torrey & Gray) Gray var. *polycephalus* Blake, non Aster polycephalus Rydberg
Aster commutatus (Torrey & Gray) Gray var. *crassulus* (Rydberg) Blake
Aster crassulus Rydberg
Aster falcatus Lindley var. *crassulus* (Rydberg) Cronquist
Aster multiflorus Aiton var. *commutatus* Torrey & Gray
Symphyotrichum falcatum (Lindley) Nesom var. *crassulum* (Rydberg) Nesom

falcatum (Lindley) Nesom var. *crassulum* (Rydberg) Nesom = Symphyotrichum falcatum (Lindley) Neson var. commutatum (Torrey & Gray) Nesom

falcatum (Lindley) Nesom var. ***falcatum*** [M&H]
prairie aster
Aster falcatus Lindley

fendleri (A. Gray) Nesom [M&H; W&S]
Fendler's aster
Aster fendleri Gray
Aster jemensis A. Nelson

foliaceum (Lindley ex A.P. de Candolle) Nesom var. ***apricum*** (A. Gray) Nesom [M&H; W&S]
alpine aster
Aster apricus (Gray) Rydberg
Aster foliaceus Lindley ex A.P. de Candolle var. *apricus* Gray

foliaceum (Lindley ex A.P. de Candolle) Nesom var. ***canbyi*** (A. Gray) Nesom [M&H; W&S]
Canby's alpine aster
Aster canbyi (A. Gray) Vasey
Aster foliaceus Lindley ex A.P. de Candolle var. *burkei* A. Gray
Aster foliaceus Lindley ex A.P. de Candolle var. *canbyi* A. Gray

foliaceum (Lindley ex A.P. de Candolle) Nesom var. ***parryi*** (D.C. Eaton) Nesom [M&H]
Parry's alpine aster
Aster foliaceus Lindley ex A.P. de Candolle var. *frondeus* A. Gray
Aster foliaceus Lindley ex A.P. de Candolle var. *parryi* (D.C. Eaton) A. Gray
Aster frondeus (A. Gray) Greene

frondosum (Nuttall) Nesom [M&H; W&S]
leafy aster
Aster frondosus (Nuttall) Torrey & Gray

Aster woodhousei Wooton
Brachyactis frondosus (Nuttall) Gray
Brachyactis woodhousei (Wooton) Wooton & Standley
Tripolium frondosum Nuttall

laeve (Linnaeus) Löve & Löve var. ***geyeri*** (A. Gray) Nesom [M&H; W&S]
Geyer's blue aster
Aster laevis Linnaeus var. *geyeri* Gray
Aster laevis Linnaeus var. *guadalupensis* A.G. Jones

lanceolatum (Willdenow) Nesom var. ***hesperium*** (A. Gray) Nesom [M&H; W&S]
Wooton's aster
Aster coerulescens A.P. de Candolle var. *wootonii* (Greene) Wiegand
Aster hesperius Gray var. *hesperius*
Aster hesperius Gray var. *laetivirens* (Greene) Cronquist
Aster hesperius Gray var. *wootonii* Greene
Aster laetivirens Greene
Aster wootonii Greene

novae-angliae (Linnaeus) Nesom [M&H; W&S]
New England aster
Aster novae-angliae Linnaeus

oblongifolium (Nuttall) Nesom [M&H; W&S]
aromatic aster
Aster kumleinii Fries
Aster oblongifolius Nuttall
Aster oblongifolius Nuttall var. *rigidulus* Gray

porteri (A. Gray) Nesom [Allred 1999]
Porter's aster
Aster porteri Gray

praealtum (Poiret) Nesom [M&H; W&S] Note: This species is excluded from NM by Brouillet et al. (2006); warrants verification.
tall aster
Aster praealtus Poiret
Aster salicifolius Aiton

sericeum (Ventenat) Nesom [Tidestsrom & Kittell 1941]
silky aster
Aster sericeus Ventenat

spathulatum (Lindley) Nesom var. ***spathulatum*** [M&H]
mountain aster
Aster corymbiformis Rydberg
Aster fremontii (Torrey & Gray) Gray
Aster occidentalis (Nuttall) Torrey & Gray

subulatum (Michaux) Nesom var. ***ligulatum*** (Shinners) S.D. Sundberg [M&H; W&S]
lawn aster, New Mexico aster
Aster exilis of NM authors
Aster neomexicanus Wooton & Standley
Aster subulatus Michaux var. *ligulatus* Shinners
Symphyotrichum divaricatum (Nuttall) Nesom

subulatum (Michaux) Nesom var. ***parviflorum*** (Nees) S.D. Sundberg [Brouillet et al. 2006]
lawn aster, New Mexico aster
Aster exilis of NM authors
Aster subulatus Michaux var. *cubensis* Shinners
Symphyotrichum expansum (Poeppig ex Sprengel) Nesom

subulatum (Michaux) Nesom s.s. : Not known to occur in NM; our material is referred to Symphyotrichum subulatum (Michaux) Nesom var. ligulatum (Shinners) S.D. Sundberg or to Symphyotrichum subulatum (Michaux) Nesom var. parviflorum (Nees) S.D. Sundberg (Brouillet et al. 2006).

Tagetes marigold

micrantha Cavanilles [M&H; W&S]
licorice marigold

papposa Ventenat = Dyssodia papposa (Ventenat) Hitchcock

Tanacetum tansy

vulgare* Linnaeus [M&H; W&S]
common tansy

Taraxacum dandelion

Brouillet, L. 2006. *Taraxacum*, p. 239-252. IN: Flora of North America, vol. 19. Oxford University Press, New York.
Peterson, R.S. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Taraxacum lyratum*]

ceratophorum (Ledebour) A.P. de Candolle [M&H; W&S]
horned dandelion
Taraxacum dumetorum Greene
Taraxacum montanum Nuttall

Taraxacum officinale G.H. Weber ex F.H Wiggers subsp. *ceratophorum* (Ledebour) Schinz ex Thellung

dumetorum Greene = Taraxacum ceratophorum (Ledebour) A.P. de Candolle

***erythrospermum** Andrzejowski ex Besser [M&H]

red-seed dandelion

Taraxacum laevigatum (Willdenow) A.P. de Candolle var. *erythrospermum* (Andrzejowski ex Besser) J. Weiss

Taraxacum officinale F.H. Wiggers var. *erythrospermum* (Andrzejowski ex Besser) Babington

laevigatum (Willdenow) A.P. de Candolle s.s. = a European name of uncertain application (Brouillet 2006)

laevigatum (Willdenow) A.P. de Candolle var. *erythrospermum* = Taraxacum erythrospermum Andrzejowski ex Besser

lyratum (Ledebour) A.P. de Candolle : Applied in the narrow sense to Asian plants (Brouillet 2006); our plants referred to Taraxacum scopulorum (A. Gray) Rydberg

montanum Nuttall = Taraxacum ceratophorum (Ledebour) A.P. de Candolle

mexicanum A.P. de Candolle = Taraxacum officinale Weber ex F.H. Wigg

***officinale** G.H. Weber ex F.H. Wiggers [M&H; W&S]

common dandelion

Taraxacum mexicanum A.P. de Candolle

Taraxacum taraxacum (Linnaeus) Karsten

officinale F.H. Wiggers var. *erythrospermum* (Andrzejowski ex Besser) Babington = Taraxacum erythrospermum Andrzejowski ex Besser

officinale G.H. Weber ex F.H Wiggers subsp. *ceratophorum* (Ledebour) Schinz ex Thellung = Taraxacum ceratophorum (Ledebour) A.P. de Candolle

officinale Linnaeus var. *scopulorum* A. Gray = Taraxacum scopulorum (A. Gray) Rydberg

scopulorum (A. Gray) Rydberg [M&H; Peterson 2000]

rock dandelion

Taraxacum officinale Linnaeus var. *scopulorum* A. Gray

taraxacum (Linnaeus) Karsten = Taraxacum officinale Weber ex F.H. Wigg

Tessaria sericea (Nuttall) Shinners = Pluchea sericea (Nuttall) Cavanilles

Tetradymia horsebrush

Strother, J.L. 1974. Taxonomy of *Tetradymia* (Compositae: Senecioneae). Brittonia 26:177-202.

canescens A.P. de Candolle [M&H; Strother 1974; W&S]

spineless horsebrush

Tetradymia inermis Nuttall

+filifolia Greene [M&H; Strother 1979; W&S]

thread-leaf horsebrush

inermis Nuttall = Tetradymia canescens A.P. de Candolle

spinosa Hooker & Arnott [M&H; Strother 1979]

spiny horsebrush

Tetraneuris rubberweed

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Tetraneuris scaposa*]

Bierner, M.W. 1994. Submersion of *Dugaldia* and *Plummera* in *Hymenoxys* (Asteraceae: Heliantheae: Gaillardiinae). Sida 16(1):1-8.

Bierner, M.W. & R.K. Jansen. 1998. Systematic implications of DNA restriction site variation in *Hymenoxys* and *Tetraneuris* (Asteraceae, Helenieae, Gaillardiinae). Lundellia 21:17-26.

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*T. acaulis nana*]

Parker, K.F. 1981. New combinations in *Tetraneuris* Greene (Heliantheae, Asteraceae). Phytologia 45:467.

acaulis (Pursh) Greene var. ***acaulis*** [M&H; W&S]

stemless rubberweed

Actinea acaulis (Pursh) Sprengel

Actinella depressa Torrey & Gray var. *pygmaea* Gray

Hymenoxys acaulis (Pursh) Parker

Tetraneuris pygmaea (Torrey & Gray) Wooton & Standley

Tetraneuris trinervata Greene

acaulis (Pursh) Greene var. ***arizonica*** (Greene) Parker [M&H; W&S]

Arizona stemless rubberweed

Actinea acaulis (Pursh) Sprengel subsp. *arizonica* (Greene) Blake

Actinea arizonica (Greene) A. Nelson

Hymenoxys acaulis (Pursh) Parker var. *arizonica* (Greene) Parker

Hymenoxys acaulis (Pursh) Parker var *nana* Welsh

Tetraneuris arizonica Greene

Tetraneuris crandallii Rydberg

acaulis (Pursh) Greene var. ***caespitosa*** A. Nelson [M&H]

stemless rubberweed

Hymenoxys acaulis (Pursh) Parker var. *caespitosa* (A. Nelson) Parker

Tetraneuris crandallii Rydberg

Tetraneuris lanata (Nuttall) Greene

Tetraneuris lanigera Daniels

acaulis (Pursh) Greene var. *nana* (Welsh) Kartesz & Gandhi = Hymenoxys acaulis (Pursh) Greene var. arizonica (Greene) Parker

angustifolia Greene = Tetraneuris scaposa (A.P. de Candolle) Greene var. scaposa

argentea (Gray) Greene [M&H; W&S]

perky-Sue

Actinea formosa (Greene ex Wooton & Standley) Nelson
Actinella argentea Gray
Actinella leptoclada Gray
Hymenoxys argentea (Gray) Parker
Tetraneuris formosa Greene ex Wooton & Standley
Tetraneuris leptoclada (Gray) Greene

arizonica Greene = Tetraneuris acaulis (Pursh) Greene var. arizonica (Greene) Parker
brandegeei (Porter ex Gray) Parker = Hymenoxys brandegeei Porter ex Gray
crandallii Rydberg = Tetraneuris acaulis (Pursh) Greene var. arizonica (Greene) Parker
depressa (Torrey & Gray ex Gray) Greene = Tetraneuris torreyana (Nuttall) Greene
formosa Greene ex Wooton & Standley = Tetraneuris argentea (Gray) Greene
glabriuscula Greene = Tetraneuris scaposa (A.P. de Candolle) Greene var. scaposa

ivesiana Greene [M&H; W&S]
Ives rubberweed
Hymenoxys acaulis (Pursh) Parker var. *ivesiana* (Greene) Parker
Hymenoxys ivesiana (Greene) Parker

lanata (Nuttall) Greene = Tetraneuris acaulis (Pursh) Greene var. caespitosa A. Nelson
lanigera Daniels = Tetraneuris acaulis (Pursh) Greene var. caespitosa A. Nelson
leptoclada (Gray) Greene = Tetraneuris argentea (Gray) Greene

linearifolia (Hooker) Greene [M&H; W&S]
fineleaf rubberweed
Actinea linearifolia (Hooker) Torrey & Gray var. *oblongifolia* (Greene) Kittell
Actinella linearifolia (Hooker) Torrey & Gray
Hymenoxys linearifolia Hooker
Tetraneuris oblongifolia Greene

linearis (Nuttall) Greene = Tetraneuris scaposa (A.P. de Candolle) Greene var. linearis (Nuttall) Parker
oblongifolia Greene = Tetraneuris linearifolia (Hooker) Greene
pygmaea (Torrey & Gray) Wooton & Standley = Tetraneuris acaulis (Pursh) Greene var. acaulis
scaposa (A.P. de Candolle) Greene var. *linearis* (Nuttall) Parker = Tetraneuris scaposa (A.P. de Candolle) Greene var. scaposa

scaposa (A.P. de Candolle) Greene var. ***scaposa*** [M&H; W&S]
naked rubberweed
Actinea scaposa (A.P. de Candolle) Kuntze
Actinella glabra Nuttall
Actinella scaposa (A.P. de Candolle) Nuttall
Actinella scaposa (A.P. de Candolle) Nuttall var. *angustifolia* (Greene) Kittell
Actinella scaposa (A.P. de Candolle) Nuttall var. *linearis* Nuttall
Cephalophora scaposa A.P. de Candolle
Hymenoxys scaposa (A.P. de Candolle) Parker
Hymenoxys scaposa (A.P. de Candolle) Parker var. *glabra* (Nuttall) Parker
Hymenoxys scaposa (A.P. de Candolle) Parker var. *linearis* (Nuttall) Parker
Hymenoxys scaposa (A.P. de Candolle) Parker var. *villosa* Shinners
Hymenoxys scaposa (A.P. de Candolle) Parker var. *scaposa*
Tetraneuris angustifolia Greene
Tetraneuris glabriuscula Greene
Tetraneuris linearis (Nuttall) Greene
Tetraneuris scaposa (A.P. de Candolle) Greene var. *linearis* (Nuttall) Parker
Tetraneuris scaposa (A.P. de Candolle) Greene var. villosa (Shinners) Shinners
Tetraneuris stenophylla Rydberg

scaposa (A.P. de Candolle) Greene var. *villosa* (Shinners) Shinners = Tetraneuris scaposa (A.P. de Candolle) Greene var. scaposa
stenophylla Rydberg = Tetraneuris scaposa (A.P. de Candolle) Greene var. linearis (Nuttall) Parker

torreyana (Nuttall) Greene [W&S]
Torrey's rubberweed
Tetraneuris depressa (Torrey & Gray ex Gray) Greene

trinervata Greene = Tetraneuris acaulis (Pursh) Greene var. acaulis

Thelesperma greenthread

Alexander, E.J. 1955. *Thelesperma*. N. Amer. Fl. II. 2:65-69.
Hansen, C.J., L. Allphin, M.D. Windham. 2002. Biosystematic analysis of the *Thelesperma subnudum* complex (Asteraceae). Sida 20(1):71-96.
Shinners, L.H. 1950. The Texas species of *Thelesperma* (Compositae). Field & Lab. 18:17-24.

ambiguum Gray [Alexander 1955]
Colorado greenthread

filifolium Gray [M&H; W&S]
greenthread
Thelesperma filifolium Gray var. *intermedium* (Rydberg) Shinners
Thelesperma formosum Greene
Thelesperma intermedium Rydberg
Thelesperma trifidum (Poiret) Britton

filifolium Gray var. *intermedium* (Rydberg) Shinners = Thelesperma filifolium Gray
formosum Greene = Thelesperma filifolium Gray
gracile (Torrey) Gray = Thelesperma megapotamicum (Sprengel) Kuntze [M&H]

intermediuom Rydberg = Thelesperma filifolium Gray

longipes Gray [M&H; W&S]

long-stalk greenthread

megapotamicum (Sprengel) Kuntze [M&H; W&S]

Navajo-tea, Hopi-tea

Bidens megapotamicum Sprengel

Thelesperma gracile (Torrey) Gray

simplicifolium Gray [M&H]

slender greenthread

subnudum Gray var. ***subnudum*** [M&H; W&S]

Navajo-tea

trifidum (Poiret) Britton = Thelesperma filifolium Gray

Thymophylla dogweed

Strother, J.L. 1969. Systematics of *Dyssodia* Cavanilles (Compositae: Tageteae). Univ. Calif. Pub. Bot. 48:1-86.

Strother, J.L. 1986. Renovation of *Dyssodia* (Compositae: Tageteae). Sida 11:371-378.

Worthington, R.D. 2004. Plant distribution reports. The New Mexico Botanist 31:2. [*Thymophylla tenuiloba*]

acerosa (A.P. de Candolle) Strother [M&H; W&S]

prickle-leaf dogweed

Aciphyllaea acerosa (A.P. de Candolle) Gray

Dyssodia acerosa A.P. de Candolle

aurea (Gray) Greene ex Britton var. ***aurea*** [M&H; W&S]

prickle-leaf

Dyssodia aurea (Gray) A. Nelson

Hymenatherum aureum Gray

Lowellia aurea Gray

aurea (Gray) Greene ex Britton var. ***polychaeta*** (Gray) Strother [M&H; W&S]

prickle-leaf

Dyssodia polychaeta (Gray) Robinson

Hymenatherum polychaetum Gray

Thymophylla polychaeta (Gray) Small

greggii Gray = Thymophylla setifolia Lagasca var. greggii (Gray) Strother

hartwegii (Gray) Wooton & Standley = Thymophylla pentachaeta (A.P. de Candolle) Small var. hartwegii (Gray) Strother

neomexicana (Gray) Wooton & Standley = Adenophyllum wrightii Gray

pentachaeta (A.P. de Candolle) Small var. ***belenidium*** (A.P. de Candolle) Strother [M&H; W&S]

parraleña

Dyssodia thurberi (Gray) Robinson

Hymenatherum thurberi Gray

Thymophylla gracilis Rydberg

Thymophylla thurberi (Gray) Wooton & Standley

pentachaeta (A.P. de Candolle) Small var. ***hartwegii*** (Gray) Strother [M&H; W&S]

parraleña

Dyssodia hartwegii (Gray) Robinson

Hymenatherum hartwegii Gray

Thymophylla hartwegii (Gray) Wooton & Standley

pentachaeta (A.P. de Candolle) Small var. pentachaeta : Reported by M&H & W&S, but this varietiey occurs in central Texas south into Mexico; our material identified as this most likely refers to var. belenidium (A.P. de Candolle) Strother (Strother 1969).

Dyssodia pentachaeta (A.P. de Candolle) Robinson

Hymenatherum pentachaetum A.P. de Candolle

polychaeta (Gray) Small = Thymophylla aurea (Gray) Greene in Britton & Brown var. polychaeta (Gray) Strother

setifolia Lagasca var. ***greggii*** (Gray) Strother [M&H; Strother 2006]

Texas prickle-leaf

Dyssodia setifolia (Lagasca) Robinson var. *greggii* (Gray) Shinners

Thymophylla greggii Gray

Thymophylla setifolia Lagasca var. *radiata* (Gray) Strother, nom. illeg.

setifolia Lagasca var. *radiata* (Gray) Strother = Thymophylla setifolia Lagasca var. greggii (Gray) Strother

tenuiloba (A.P. de Candolle) Small var. ***tenuiloba*** [Worthington 2004]

bristly dogweed

thurberi (Gray) Wooton & Standley = Thymophylla pentachaeta (A.P. de Candolle) Small var. belenidium (A.P. de Candolle) Strother

Tonestus serpentweed

Lane, M.A. & R.L. Hartman. 1996. Reclassification of North American *Haplopappus* (Compositae: Astereae) completed: *Rayjacksonia* gen. nov. Amer. J. Bot. 83(3):356-370.

Nesom, G.L. and D.R. Morgan. 1990. Reinstatement of *Tonestus* (Asteraceae: Astereae). Phytologia 68:174-180.

microcephalus (Cronquist) Nesom & Morgan = Lorandersonia microcephala (Cronquist) Urbatsch, Roberts & Neubig

pygmaeus (Torrey & Gray) A. Nelson [M&H; W&S]

pygmy serpentweed

Haplopappus pygmaeus (Torrey & Gray) Gray

Torximon cuspidatum Pursh = Nothocalais cuspidata (Pursh) Greene

Townsendia Townsend-daisy

Beaman, J.H. 1957. The systematics and evolution of *Townsendia* (Compositae). Contr. Gray Herb. 183.
Lowrey, T.K. and P.J. Knight. 1994. *Townsendia gypsophila* (Compositae: Astereae): a new species from northern New Mexico. Brittonia 46:194-199.
Strother, J.L. 2006. *Townsendia*, p. 193-203. IN: Flora of North America, vol. 20. Oxford University Press, New York.

- ***annua*** Beaman [M&H]
  annual Townsend-daisy
- *arizonica* Gray = Townsendia incana Nuttall
- ***eximia*** Gray [M&H; W&S]
  Rocky Mountain Townsend-daisy
- ***exscapa*** (Richardson) Porter [M&H; W&S]
  stemless Townsend-daisy
  Townsendia sericea Hooker
- ***fendleri*** Gray [M&H; W&S]
  Fendler's Townsend-daisy
- ***formosa*** Greene [M&H; W&S]
  smooth Townsend-daisy
- glabella Gray : Not occurring in NM; previous reports based on a misidentification of Townsendia grandiflora Nuttall (T. Lowrey, pers. comm. 1995).
- ***grandiflora*** Nuttall [M&H; W&S]
  big-head Townsend-daisy
- ***+gypsophila*** Lowrey & Knight [Lowrey & Knight 1994]
  gyp Townsend-daisy
- ***incana*** Nuttall [M&H; W&S]
  hoary Townsend-daisy
  Townsendia arizonica Gray
- ***leptotes*** (Gray) Osterhout [M&H]
  common Townsend-daisy
  Townsendia sericea Hooker var. *leptotes* Gray
- rothrockii Gray ex Rothrock : Reported by Kartesz (1999) without documentation; awaits verification.
- *sericea* Hooker = Townsendia exscapa (Richardson) Porter
- *sericea* Hooker var. *leptotes* Gray = Townsendia leptotes (Gray) Osterhout
- ***strigosa*** Nuttall [Strother 2006]
  hairy Townsend-daisy

Tragopogon salsify

Ownbey, M. 1950. Natural hybridization and amphiploidy in the genus *Tragopogon*. Amer. J. Bot. 37:487-499.

- ****dubius*** Scopoli [M&H]
  yellow salsify
- ****porrifolius*** Linnaeus [M&H; W&S]
  leek salsify
- ****pratensis*** Linnaeus [M&H]
  Jack-go-to-bed-at-noon, meadow salsify

Tripolium frondosum Nuttall = Symphyotrichum frondosum (Nuttall) Nesom

Trixis threefold

Anderson, C. 1972. A monograph of the Mexican and Central American species of *Trixis* (Compositae). Mem. N.Y. Bot. Gard. 22(3):1-68.

- ***californica*** Kellogg [M&H; W&S]
  California threefold

Troximon arizonicum Greene = Agoseris aurantiaca (Hooker) Greene var. purpurea (Gray) Cronquist

- *glaucum* Pursh = Agoseris glauca (Pursh) D. Dietrich var. glauca
- *heterophyllum* (Nuttall) Greene = Agoseris heterophylla (Nuttall) Greene var. heterophylla
- *parviflorum* Nuttall = Agoseris parviflora (Nuttall) D. Dietrich

Uropappus silverpuffs

- *linearifolius* Nuttall = Uropappus lindleyi (A.P. de Candolle) Nuttall
- ***lindleyi*** (A.P. de Candolle) Nuttall [M&H; W&S]
  silverpuffs
  Microseris linearifolia (Nuttall) Schultz-Bipontinus
  Microseris lindleyi (A.P. de Candolle) Gray
  Uropappus linearifolius Nuttall
  Uropappus pruinosus Greene
- *pruinosus* Greene = Uropappus lindleyi (A.P. de Candolle) Nuttall

Varilla texana Gray : Reported for NM from near El Paso by Vines (1960), but this seems unlikely in view of its distribution in the Tamaulipan vegetation of south Texas and adjacent Mexico and its exclusion from the Chihuahuan Desert flora by Henrickson & Johnston (1997).

Verbesina crownbeard

Coleman, J.R. 1966. A taxonomic revision of section *Ximenesia* of the genus *Verbesina* (Compositae). Amer. Midl. Naturalist 76:475-481.
Strother, J.L. *Verbesina*, pp. 106-111. IN: Flora of North America, vol. 21. Oxford University Press.

- *alba* Linnaeus = Eclipta prostrata (Linnaeus) Linnaeus

encelioides (Cavanilles) Bentham & Hooker f. ex Gray var. ***encelioides*** [M&H]
golden crownbeard, cowpen daisy
Ximenesia encelioides Cavanilles
encelioides (Cavanilles) Bentham & Hooker f. ex Gray var. ***exauriculata*** B.L. Robinson & J.L. Greenman [M&H; W&S]
golden crownbeard, cowpen daisy
Ximenesia exauriculata (B.L. Robinson & J.L. Greenman) Rydberg
longifolia Gray [M&H; W&S]
long-leaf crownbeard
Actinomeris longifolia Gray
nana (Gray) B.L. Robinson & J.L. Greenman [M&H; W&S]
dwarf crownbeard
Wootonella nana (Gray) Standley
Ximenesia encelioides Cavanilles var. *nana* Gray
oreophila Wooton & Standley [M&H; W&S]
mountain crownbeard
podocephala Gray = Lasianthaea podocephala (Gray) Baker
rothrockii B.L. Robinson & J.L. Greenman [M&H; W&S]
Rothrock's crownbeard
Verbesina wrightii Gray, not Grisebach
wrightii Gray = Verbesina rothrockii Robinson

Vernonia ironweed

Carson National Forest, USDA Forest Service. 2000. New plant distribution records 15:7. [*Vernonia noveborascensis*]
Jones, S.B. 1972. A systematic study of the Fasciculatae group of *Vernonia* (Comositae). Brittonia 24:28-45.

altissima Nuttall var. *marginata* Torrey = Vernonia marginata (Torrey) Rafinesque
baldwinii Torrey subsp. interior (Small) Faust : Reported by Kartesz (1999) without documentation; awaits verification.
jamesii Torrey & Gray = Vernonia marginata (Torrey) Rafinesque
marginata (Torrey) Rafinesque [M&H; W&S]
plains ironweed
Vernonia altissima Nuttall var. *marginata* Torrey
Vernonia jamesii Torrey & Gray
missurica Rafinesque [M&H; W&S]
Missouri ironweed
novoborescensis (Linnaeus) Michaux : Reported in a listing by the Carson National Forest (2000), but this seems unlikely in view of this species's distribution east of the Mississippi; perhaps a recent exotic; needs verification.

Viguiera goldeneye

Blake, S.F. 1918. A revision of the genus *Viguiera*. Contr. Gray Herb. 54:1-218.
Schilling, E.E. 2006. *Viguiera*, in pp. 172-174. IN: Flora of North America, vol. 21(3). Oxford University Press.

annua (M.E. Jones) Blake = Heliomeris longifolia (B.L. Robinson & J.L. Greenman) Cockerell var. annua (M.E. Jones) W.F. Yates
ciliata (B.L. Robinson & J.L. Greenman) Blake = Heliomeris hispida (Gray) Cockerell
cordifolia Gray [M&H; W&S]
heart-leaf goldeneye
dentata (Cavanilles) Sprengel [M&H; W&S]
toothed goldeneye
Helianthus dentatus Cavanilles
Viguiera texana Torrey & Gray
longifolia (B.L. Robinson & J.L. Greenman) Blake var. *longifolia* = Heliomeris longifolia (B.L. Robinson & J.L. Greenman) var. longifolia
longifolia (B.L. Robinson & J.L. Greenman) Blake var. *annua* (M.E. Jones) Welsh = Heliomeris longifolia (B.L. Robinson & J.L. Greenman) Cockerell var. annua (M.E. Jones) W.F. Yates
multiflora (Nuttall) Blake = Heliomeris multiflora Nuttall var. multiflora
multiflora (Nuttall) Blake var. *ovalis* Blake = Heliomeris multiflora Nuttall var. brevifolia (Greene ex Wooton & Standley) W.F. Yates
ovalis Blake = Heliomeris multiflora Nuttall var. brevifolia (Greene ex Wooton & Standley) W.F. Yates
stenoloba Blake [M&H; W&S]
resinbush
Gymnolomia tenuifolia (Gray) Bentham & Hooker
Heliomeris tenuifolia Gray
texana Torrey & Gray = Viguiera dentata (Cavanilles) Sprengel
triloba (Gray) J. Olsen = Zaluzania grayana B.L. Robinson & J.L. Greenman

Villanova biternata (Gray) Wooton & Standley = Bahia biternata Gray
dissecta (Gray) Rydberg = Amauriopsis dissecta (Gray) Rydberg
Wootonella nana (Gray) Standley = Verbesina nana (Gray) Robinson
Wootonia parviflora Greene = Dicranocarpus parviflorus (Gray) Gray

Wyethia mule's-ears

Weber, W.A. 1946. A taxonomic and cytological study of the genus *Wyethia*, family Compositae, with notes on the related genus *Balsamorhiza*. Amer. Midl. Naturalist 35:400-452.
Weber, W.A. 2006. *Scabrethia*, pp. 99-100. IN: Flora of North America, vol. 21. Oxford University Press. [*Wyethia scabra attenuata*]

arizonica Gray [M&H; W&S; Weber 1946]
Arizona mule's-ears

scabra Hooker var. ***attenuata*** W.A. Weber [Weber 2006]
badland mule's-ears
Scabrethia scabra (Hooker) W.A. Weber subsp. *attenuata* (W.A. Weber) W.A. Weber
scabra Hooker var. ***canescens*** W.A. Weber [M&H; Weber 1946]
badland mule's-ears
Scabrethia scabra (Hooker) W.A. Weber subsp. *canescens* (W.A. Weber) W.A. Weber
Wyomingia cana (Gray) A. Nelson = Erigeron canus Gray
cinerea A. Nelson = Erigeron pulcherrimus Heller var. pulcherrimus
pulcherrima A. Nelson = Erigeron pulcherrimus Heller var. pulcherrimus

Xanthisma sleep-daisy

Harman, R.L. 2006. *Xanthisma*, pp. 383-393. IN: Flora of North America, vol. 20. Oxford University Press, New York.
Morgan, D.R. & R.L. Hartman. 2003. A synopsis of *Machaeranthera* (Asteraceae: Astereae), with recognition of segregate genera. Sida 20(4):1387-1416.
Nesom, G.L. 2003. New combinations in *Xanthisma* (Asteraceae: Astereae). Sida 20(4):1585-1588.
Semple, J.C. 1974. The phytogeography and systematics of *Xanthisma texanum* A.P. de Candolle (Asteraceae): proper usage of infraspecific categories. Rhodora 76:1-19.

blephariphyllum (Gray) Morgan & Hartman [M&H]
Texas sleep-daisy
Aplopappus blephariphyllus Gray
Aster gymnocephalus auct. non (A.P. de Candolle) Gray
Haplopappus gymnocephalus auctores
Sideranthus serratus (Greene) Standley
Machaeranthera blephariphylla (Gray) Shinners
Machaeranthera gymnocephala auct. non (A.P. de Candolle) Shinners
glaberrimum (Rydberg) Nesom & O'Kennon = Xanthisma spinulosum (Pursh) Morgan & Hartman var. glaberrimum (Rydberg) Morgan & Hartman
gracile (Nuttall) Morgan & Hartman
slender sleep-daisy
Dieteria gracilis Nuttall
Haplopappus gracilis (Nuttall) Gray
Machaeranthera gracilis (Nuttall) Shinners
Sideranthus gracilis (Nuttall) Nelson
grindelioides (Nuttall) Morgan & Hartman [Hartman 1990; M&H; W&S]
ray-less sleep-daisy
Haplopappus nuttallii Torrey & Gray
Machaeranthera grindelioides (Nuttall) Shinners
Sideranthus grindelioides Nuttall
gypsophilum (B.L. Turner) Morgan & Hartman [Hartman 2006]
gyp sleep-daisy
Machaeranthera gypsophila B.L. Turner
spinulosum (Pursh) Morgan & Hartman var. ***chihuahuanum*** (Turner & Hartman) Morgan & Hartman [Turner & Hartman 1976]
lacy sleep-daisy
Machaeranthera pinnatifida (Hooker) Shinners var. *chihuahuana* B.L. Turner & Hartman
spinulosum (Pursh) Morgan & Hartman var. ***glaberrimum*** (Rydberg) Morgan & Hartman [M&H; Turner & Hartman 1976; W&S]
smooth sleep-daisy
Haplopappus spinulosus (Pursh) A.P. de Candolle subsp. *glaberrimus* (Rydberg) Hall
Machaeranthera pinnatifida (Hooker) Shinners var. *glaberrima* (Rydberg) Turner & Hartman
Sideranthus glaberrimus Rydberg
spinulosum (Pursh) Morgan & Hartman var. ***spinulosum*** [M&H; Turner & Hartman 1976; W&S]
lacy sleep-daisy
Eriocarpum wootonii Greene
Haplopappus spinulosus (Pursh) A.P. de Candolle subsp. *australis* (Greene) Hall
Haplopappus spinulosus (Pursh) A.P. de Candolle subsp. *laevis* (Wooton & Standley) Hall
Haplopappus spinulosus (Pursh) A.P. de Candolle subsp. *scabrellus* (Greene) Hall
Haplopappus spinulosus (Pursh) A.P. de Candolle subsp. *spinulosus*
Machaeranthera australis (Greene) Shinners
Machaeranthera pinnatifida (Hooker) Shinners
Sideranthus laevis Wooton & Standley
Sideranthus spinulosus (Pursh) Sweet ex Rydberg
Sideranthus wootonii (Greene) Standley
texanum A.P. de Candolle subsp. ***drummondii*** (Torrey & Gray) Semple [M&H] Note: Not reported for NM by Hartman (2006); perhaps warrants verification.
Texas sleepy-daisy
viscidum (Wooton & Standley) Morgan & Hartman [M&H; Hartman 1990; W&S]
sticky sleep-daisy
Haplopappus havardii Waterfall
Machaeranthera havardii (Waterfall) Shinners

Machaeranthera viscida (Wooton & Standley) Hartman
Sideranthus viscidus Wooton & Standley

Xanthium cocklebur

Cronquist, A. 1994. *Xanthium*, pp. 64-65. IN: Intermountain Flora, vol. 5. New York Botanical Garden.

campestre Greene = Xanthium strumarium Linnaeus var. canadense (Miller) Torrey
canadense Miller = Xanthium strumarium Linnaeus var. canadense (Miller) Torrey
chinense Miller = Xanthium strumarium Linnaeus var. glabratum (A.P. de Candolle) Cronquist
commune Britton = Xanthium strumarium Linnaeus var. canadense (Miller) Torrey
commune Britton var. *wootonii* Cockerell = Xanthium strumarium Linnaeus var. glabratum (A.P. de Candolle) Cronquist
italicum Moretti = Xanthium strumarium Linnaeus var. canadense (Miller) Torrey
macrocarpum A.P. de Candolle var. *glabratum* A.P. de Candolle = Xanthium strumarium Linnaeus var. glabratum (A.P. de Candolle) Cronquist
pennsylvanicum Wallroth = Xanthium strumarium Linnaeus var. glabratum (A.P. de Candolle) Cronquist
saccharatum Wallroth = Xanthium strumarium Linnaeus var. canadense (Miller) Torrey

***spinosum** Linnaeus [M&H; W&S]
spiny cocklebur
Acanthoxanthium spinosum (Linnaeus) Fourr.

strumarium Linnaeus var. ***canadense*** (Miller) Torrey [M&H; W&S]
rough cocklebur
Xanthium campestre Greene
Xanthium canadense Miller
Xanthium commune Britton
Xanthium italicum Moretti
Xanthium saccharatum Wallroth

strumarium Linnaeus var. ***glabratum*** (A.P. de Candolle) Cronquist [M&H; W&S]
rough cocklebur
Xanthium chinense Miller
Xanthium commune Britton var. *wootonii* Cockerell
Xanthium macrocarpum A.P. de Candolle var. *glabratum* A.P. de Candolle
Xanthium pennsylvanicum Wallroth
Xanthium strumarium Linnaeus var. *wootonii* (Cockerell) M.E. Peck
Xanthium strumarium Linnaeus var. *wootonii* (Cockerell) Martin & Hutchins ined. [not validly published]
Xanthium wootonii (Cockerell) Cockerell

strumarium Linnaeus var. *wootonii* (Cockerell) Martin & Hutchins ined. [This combination not validly published by M&H; ICBN, Article 33] = Xanthium strumarium Linnaeus var. glabratum (A.P. de Candolle) Cronquist
strumarium Linnaeus var. *wootonii* (Cockerell) M.E. Peck = Xanthium strumarium Linnaeus var. glabratum (A.P. de Candolle) Cronquist
wootonii (Cockerell) Cockerell

Xanthocephalum dracunculoides (A.P. de Candolle) Shinners = Amphiachyris dracunculoides (A.P. de Candolle) Nuttall
microcephalum (A.P. de Candolle) Shinners = Gutierrezia microcephala (A.P. de Candolle) Gray
sarothrae (Pursh) Shinners = Gutierrezia sarothra (Pursh) Britton & Rusby
wrightii (A. Gray) A. Gray = Gutierrezia wrightii A. Gray
Ximenesia encelioides Cavanilles = Verbesina encelioides (Cavanilles) Bentham & Hooker var. encelioides
exauriculata (B.L. Robinson & J.L. Greenman) Rydberg = Verbesina encelioides (Cavanilles) Bentham & Hooker var. exauriculata B.L. Robinson & J.L. Greenman
encelioides Cavanilles var. *nana* Gray = Verbesina nana (Gray) Robinson
Xylorhiza tortifolia (Torrey & Gray) Greene : Reported for NM by Tidestrom & Kittell (1941), but restricted to more western localities by all subsequent authors (i.e., Hickman 1993; Kearney & Peebles 1969; Nesom 2002; Welsh et al. 1993).

Zaluzania yellow-streamers

grayana B.L. Robinson & J.L. Greenman [M&H; W&S]
yellow-streamers
Viguiera triloba (Gray) J. Olsen

Zexmenia brevifolia Gray = Jefea brevifolia (Gray) Strother
podocephala (Gray) Gray = Lasianthaea podocephala (Gray) Baker

Zinnia zinnia

Torres, A.M. 1963. Taxonomy of *Zinnia*. Brittonia 15:1-25.

acerosa (A.P. de Candolle) Gray [M&H; W&S]
desert zinnia
Crassina pumila (Gray) Kuntze
Zinnia pumila Gray

grandiflora Nuttall [M&H; W&S]
plains zinnia
Crassina grandiflora (Nuttall) Kuntze

pumila Gray = Zinnia acerosa (A.P. de Candolle) Gray

Family BERBERIDACEAE

Berberis barberry

Cox, G.W. 2001. New plant distribution records. The New Mexico Botanist 20:8. [*Berberis vulgaris*]

Hall, H.H. & S. Flowers. 1961. Vascular plants found in the Navajo Reservoir Basin, pp. 47-87. IN: D.M. Pendergast (ed.). Ecological studies of the flora and fauna of Navajo Reservoir Basin, Colorado and New Mexico. Univ. Utah Anthropological Papers, number 55. [*Berberis vulgaris*]

Whittemore, A.T. 1997. *Berberis*, pp. 276-286. IN: Flora of North America, vol. 3. Oxford University Press.

aquifolius Pursh = Berberis repens Lindley

fendleri Gray [Whittemore 1997; M&H; W&S]
Fendler's barberry
Mahonia fendleri (Gray) Wooton & Standley

fremontii Torrey [Whittemore 1997; M&H; W&S]
desert Oregon-grape
Mahonia fremontii (Torrey) Fedde
Odostemon fremontii (Torrey) Rydberg

haematocarpa Wooton [Whittemore 1997; M&H; W&S]
algerita, red Oregon-grape
Mahonia haematocarpa (Wooton) Fedde
Odostemon haematocarpus (Wooton) Heller

nana Greene = Berberis repens Lindley

repens Lindley [Whittemore 1997; M&H; W&S]
creeping Oregon-grape
Berberis aquifolius Pursh
Berberis nana Greene
Mahonia repens (Lindley) G. Don
Odostemon repens (Lindley) Cockerell

trifoliolata Moricand [Whittemore 1997; M&H; W&S]
Laredo Oregon-grape
Mahonia trifoliolata (Moricand) Fedde
Odostemon trifoliolatus (Moricand) Heller

****vulgaris*** Linnaeus [Cox 2001; Hall & Flowers 1961]
European barberry

wilcoxii Kearney [Whittemore 1997; M&H; W&S]
Wilcox's barberry
Odostemon wilcoxii (Kearney) Heller

Mahonia fendleri (Gray) Wooton & Standley = Berberis fendleri Gray
fremontii (Torrey) Fedde = Berberis fremontii Torrey
haematocarpa (Wooton) Fedde = Berberis haematocarpa Wooton
repens (Lindley) G. Don = Berberis repens Lindley
trifoliolata (Moricand) Fedde = Berberis trifoliolata Moricand

Odostemon fremontii (Torrey) Rydberg = Berberis fremontii Torrey
haematocarpus (Wooton) Heller = Berberis haematocarpa Wooton
repens (Lindley) Cockerell = Berberis repens Lindley
trifoliolatus (Moricand) Heller = Berberis trifoliolata Moricand
wilcoxii (Kearney) Heller = Berberis wilcoxii Kearney

Family BETULACEAE

Furlow, J.J. 1997. Betulaceae, pp. 507-538. IN: Flora of North America, vol. 3. Oxford Univrsity Press.

Alnus alder

Furlow, J.J. 1979. The systematics of the American species of *Alnus* (Betulaceae). Rhodora 81:151-248.

incana (Linnaeus) Moench subsp. ***tenuifolia*** (Nuttall) Breitung [Furlow 1997; M&H; W&S]
mountain alder
Alnus tenuifolia Nuttall

oblongifolia Torrey [Whittemore 1997; M&H; W&S]
Arizona alder

tenuifolia Nuttall = Alnus incana (Linnaeus) Moench subsp. tenuifolia (Nuttall) Breitung

Betula birch

Hartman, R.L. 2003. General floristic survey of the Valles Caldera National Preseve, New Mexico. Report on Field Seasons 2001, 2002. Available from the author <rhartman@uwyo.edu>. [*Betula glandulosa*]

Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233. [*Betula glandulosa*]

fontinalis Sargent = Betula occidentalis Hooker

glandulosa Michaux [Hartman 2003; Harman et al. 2006]
bog birch

occidentalis Hooker [M&H; W&S]
water birch
Betula fontinalis Sargent

Ostrya hop-hornbeam

baileyi Rose = Ostrya knowltonii Coville

knowltonii Coville [M&H; W&S]
Knowlton's hop-hornbeam
Ostrya baileyi Rose

Family BIGNONIACEAE

Catalpa catalpa

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4.

****speciosa*** (Warder) Warder ex Engelmann [Heil et al. 2002]
catalpa

Chilopsis desert-willow

Henrickson, J. 1985. A taxonomic revision of *Chilopsis* (Bignoniaceae). Aliso 11:179-197.

linearis (Cavanilles) Sweet subsp. ***arcuata*** (Fosberg) Henrickson [Henrickson 1985]
desert-willow

linearis (Cavanilles) Sweet subsp. ***linearis*** [M&H; W&S]
desert-willow
Chilopsis saligna D. Don

saligna D. Don = Chilopsis linearis (Cavanilles) Sweet

Stenolobium incisum Rose & Standley = Tecoma stans (Linnaeus) Jussieu ex Humboldt, Bonpland, & Kunth var. angustata Rehder

Tecoma trumpet-bush

stans (Linnaeus) Jussieu ex Humboldt, Bonpland, & Kunth var. ***angustata*** Rehder [M&H; W&S]
yellow trumpet-bush
Stenolobium incisum Rose & Standley

Family BIXACEAE
[Cochlospermaceae]

Amoreuxia yellowshow

Hodgson, W. 1993. Bixaceae. J. Ariz.-Nev. Acad. Sci. 27(2):188-189.

palmatifida Sessé & Mociño ex A.P. de Candolle [M&H]
Mexican yellowshow

Family BORAGINACEAE
[Ehretiaceae, Heliotropaceae]

Cronquist, A. 1984. Boraginaceae, pp. 207-293. IN: Intermountain Flora, vol. 4. New York Botanical Garden.

Higgins, L.C. 1979. Boraginaceae of the southwestern United States. Great Basin Naturalist 39(4):293-350.

Allocarya scopulorum Greene = Plagiobothrys scopulorum (Greene) I.M. Johnston

Amsinckia devil's-lettuce

Sivinski, R.C. 2005. Plant distribution reports (*Amsinckia menziesii intermedia*, *Astragalus eremiticus*). The New Mexico Botanist 33:7.

intermedia Fischer & Meyer = Amsinckia menziesii (Lehmann) A. Nelson & J.F. Macbride var. intermedia (Fischer & Meyer) Ganders

menziesii (Lehmann) A. Nelson & J.F. Macbride var. ***intermedia*** (Fischer & Meyer) Ganders [Sivinski 2005]
small devil's-lettuce
Amsinckia intermedia Fischer & Meyer

tessellata Gray [Higgins 1979; M&H]
devil's-lettuce

Antiphytum saucer-flower

Sivinski, R., T. Lowrey and R. Peterson. 1994. Additions to the native and adventive flora of New Mexico. Phytologia 76(6):473-479. [*Antiphytum floribundum*]

floribundum (Torrey) Gray [Sivinski et al. 1994]
Texas saucer-flower

Coldenia canescens A.P. de Candolle = Tiquilia canescens (A.P. de Candolle) A. Richardson

gossypina (Wooton & Standley) I.M. Johnston = Tiquilia gossypina (Wooton & Standley) A Richardson

greggii (Torrey) Gray = Tiquilia greggii (Torrey) A. Richardson

hispidissima (Torrey) Gray = Tiquilia hispidissima (Torrey) A. Richardson

Cryptantha cat's-eye

Sivinski, R. 1993. Noteworthy collections (New Mexico). Madroño 40:273-274. [*Cryptantha gracilis*, *C. recurvata*]

Sivinski, R. 1994. A review of *Cryptantha fulvocanescens* (Boraginaceae) with the re-evaluation of Greene's *Oreocarya nitida*. Madroño 41(4):243-253.

Sivinski, R.C. 1998. The genus *Cryptantha* (Boraginaceae) in New Mexico. The New Mexico Botanist 8:2-9.

Sivinski, R. 2006. Plant distribution reports. The New Mexico Botanist 35:3. [*Cryptantha nevadensis*]

Sivinski, R. 2006. Plant distribution reports (*Cryptantha flavoculata*). The New Mexico Botanist 36:7.

Spellenberg, R., M. Mahrt & R. Brozka. 1991. Noteworthy collections, New Mexico. Madroño 38:298-301. [*Cryptantha pterocarya* var. *pterocarya*]

albida (Humboldt, Bonpland, & Kunth) I.M. Johnston [M&H; Sivinski 1998]
New Mexico cat's-eye
Cryptantha ramosa (Lehmann) Greene
Myosotis albida Humboldt, Bonpland, & Kunth

angustifolia (Torrey) Greene [M&H; Sivinski 1998]
Panamint cat's-eye
Eritrichium angustifolium Torrey
Krynitzkia angustifolia (Torrey) Gray

bakeri (Greene) Payson [Sivinski 1998]
Baker's cat's-eye
Oreocarya bakeri Greene

barbigera (Gray) Greene [Sivinski 1998]

bearded cat's-eye
Eritrichium barbigera Gray

cinerea (Greene) Cronquist var. ***cinerea*** [Sivinski 1998; W&S]
James's cat's-eye
Cryptantha jamesii (Torrey) Payson var. *disticha* (Eastwood) Payson
Cryptantha jamesii (Torrey) Payson var. *multicaulis* (Torrey) Payson
Cryptantha jamesii (Torrey) Payson var. *setosa* (Jones) Johnston ex Tidestrom
Eritrichium multicaule Torrey
Krynitzkia multicaulis Torrey var. *setosa* M.E. Jones
Oreocarya disticha Eastwood
Oreocarya multicaulis (Torrey) Greene
Oreocarya suffruticosa (Torrey) Greene var. *multicaulis* (Torrey) Payson

cinerea (Greene) Cronquist var. ***jamesii*** Cronquist [Sivinski 1998]
James's cat's-eye
Cryptantha jamesii (Torrey) Payson
Eritrichium jamesii Torrey [nom. illegit.]
Krynitzkia jamesii (Torrey) Gray
Myosotis suffruticosa Torrey
Oreocarya suffruticosa (Torrey) Greene

cinerea (Greene) Cronquist var. ***laxa*** (Macbride) Higgins [M&H; Sivinski 1998]
James's cat's-eye
Cryptantha jamesii (Torrey) Payson var. *laxa* (Macbride) Payson
Oreocarya multicaulis (Torrey) Greene var. *laxa* Macbride

cinerea (Greene) Cronquist var. ***pustulosa*** (Rydberg) Higgins [Sivinski 1998]
James's cat's-eye
Cryptantha jamesii (Torrey) Payson var. *pustulosa* (Rydberg) Harrington
Cryptantha pustulosa (Rydberg) Payson
Oreocarya pustulosa Rydberg

coryi I.M. Johnston = Cryptantha palmeri (Gray) Payson

crassisepala (Torrey & Gray) Greene var. ***crassisepala*** [M&H; Sivinski 1998]
thick-sepal cat's-eye
Eritrichium crassisepalum Torrey & Gray
Krynitzkia crassisepala (Torrey & Gray) Gray

crassisepala (Torrey & Gray) Greene var. ***elachantha*** I.M. Johnston [M&H; Sivinski 1998]
thick-sepal cat's-eye

cycloptera Greene = Cryptantha pterocarya (Torrey) Greene var. cycloptera (Greene) Macbride

fendleri (Gray) Greene [M&H; Sivinski 1998]
Fendler's cat's-eye
Cryptantha pattersonii (A. Gray) Greene
Krynitzkia fendleri Gray

flava (A. Nelson) Payson [M&H; Sivinski 1998; W&S]
yellow cat's-eye
Oreocarya flava A. Nelson
Oreocarya lutescens Greene

flavoculata (A. Nelson) Payson [Sivinski 2006]
rough-seed cat's-eye

fulvocanescens (S. Watson) Payson var. *echinoides* (Jones) Higgins = Cryptantha fulvocanescens (S. Watson) Payson var. fulvocanescens

fulvocanescens (S. Watson) Payson var. ***fulvocanescens*** [M&H; Sivinski 1998; W&S]
tawny cat's-eye
Cryptantha fulvocanescens (S. Watson) Payson var. *echinoides* (Jones) Higgins
Oreocarya fulvocanescens (S. Watson) Greene

fulvocanescens (S. Watson) Payson var. ***nitida*** (Greene) Sivinski [Sivinski 1994; Sivinski 1998]
tawny cat's-eye

gracilis Osterhout [Sivinski 1993; Sivinski 1998]
slender cat's-eye

jamesii (Torrey) Payson var. *disticha* (Eastwood) Payson = Cryptantha cinerea (Greene) Cronquist var. cinerea
jamesii (Torrey) Payson var. *jamesii* = Cryptantha cinerea (Greene) Cronquist var. jamesii Cronquist
jamesii (Torrey) Payson var. *laxa* (Macbride) Payson = Cryptantha cinerea (Greene) Cronquist var. laxa (Macbride) Higgins
jamesii (Torrey) Payson var. *multicaulis* (Torrey) Payson = Cryptantha cinerea (Greene) Cronquist var. cinerea
jamesii (Torrey) Payson var. *pustulosa* (Rydberg) Harrington = Cryptantha cinerea (Greene) Cronquist var. pustulosa (Rydberg) Higgins
jamesii (Torrey) Payson var. *setosa* (Jones) Johnston ex. Tidestrom = Cryptantha cinerea (Greene) Cronquist var. cinerea

mexicana (Brandegee) I.M. Johnston [M&H; Sivinski 1998]
Mexican cat's-eye

micrantha (Torrey) I.M. Johnston [M&H; Sivinski 1998]
red-root cat's-eye
Eremocarya micrantha (Torrey) Greene

Eritrichium micranthum Torrey

minima Rydberg [M&H; Sivinski 1998]
little cat's-eye

nevadensis A. Nelson & Kennedy var. ***nevadensis*** [Sivinski 1998; Spellenberg et al. 1993]
Nevada cat's-eye

nevadensis A. Nelson & Kennedy var. ***rigida*** I.M. Johnston [Sivinski 2006]
Nevada cat's-eye

oblata (M.E. Jones) Payson [M&H; Sivinski 1998; W&S]
rough cat's-eye
Krynitzkia oblata M.E. Jones
Oreocarya hispidissima sensu Wooton & Standley
Oreocarya oblata (M.E. Jones) Macbride

palmeri (Gray) Payson [M&H; Sivinski 1998]
Palmer's cat's-eye
Crypthantha coryi I.M. Johnston
Krynitzkia palmeri Gray
Oreocarya palmeri (Gray) Greene

paradoxa (A. Nelson) Payson [M&H; Sivinski 1998]
handsome cat's-eye
Oreocarya paradoxa A. Nelson

pattersonii (A. Gray) Greene = Cryptantha fendleri (Gray) Greene

paysonii (Macbride) I.M. Johnston [M&H; Sivinski 1998]
Payson's cat's-eye
Oreocarya paysonii Macbride

pterocarya (Torrey) Greene var. ***cycloptera*** (Greene) Macbride [M&H; Sivinski 1998]
winged cat's-eye
Crypthantha cycloptera Greene
Krynitzkia cycloptera Greene

pterocarya (Torrey) Greene var. ***pterocarya*** [Spellenberg et al. 1991; Sivinski 1998]
winged cat's-eye
Eritrichium pterocaryum Torrey
Krynitzkia pterocarya (Torrey) Gray

pusilla (Torrey & Gray) Greene [M&H; Sivinski 1998]
low cat's-eye
Eritrichium pusillum Torrey & Gray
Krynitzkia pusilla (Torrey & Gray) Gray

pustulosa (Rydberg) Payson = Cryptantha cinerea (Greene) Cronquist var. pustulosa (Rydberg) Higgins

ramosa (Lehmann) Greene = Cryptantha albida (Humboldt, Bonpland, & Kunth) I.M. Johnston

recurvata Coville [Sivinski 1993; Sivinski 1998]
curved cat's-eye

setosissima (Gray) Payson [Sivinski 1998]
bristly cat's-eye

thyrsiflora (Greene) Payson [M&H; Sivinski 1998]
limestone cat's-eye
Oreocarya hispidissima (Torrey) Rydberg
Oreocarya thyrsiflora Greene
Oreocarya urticacea Wooton & Standley

Cynoglossum hound's-tongue

officinale Linnaeus [M&H; W&S]
hound's-tongue

Echinospermum floribundum Lehmann = Hackelia florbunda (Lehmann) I.M. Johnston

ursinum Greene ex Gray = Hackelia ursina (Greene ex Gray) I.M. Johnston var. ursina

Echium bugloss

vulgare Linnaeus [M&H]
viper's bugloss

Eddya gossypina Wooton & Standley = Tiquilia gossypina (Wooton & Standley) A. Richardson

hispidissima Torrey = Tiquilia hispidissima (Torrey) A. Richardson

Eremocarya micrantha (Torrey) Greene = Cryptantha micrantha (Torrey) I.M. Johnston

Eritrichium alpine forget-me-not

angustifolium Torrey = Cryptantha angustifolia (Torrey) Greene

aretioides (Chamisso) A.P. de Candolle var. *elongatum* Rydberg = Eritrichium nanum (Villars) Schrader ex Gaudin var. elongatum (Rydberg) Cronquist

barbigera Gray = Cryptantha barbigera (Gray) Greene

canescens Gray var. *arizonicum* Gray = Plagiobothrys arizonicus (Gray) Greene ex Gray

crassisepalum Torrey & Gray = Cryptantha crassisepala (Torrey & Gray) Greene var. crassisepala

elongatum (Rydberg) W.F. Wright = Eritrichium nanum (Villars) Schrader ex Gaudin var. elongatum (Rydberg) Cronquist

jamesii Torrey [nom. illegit.] = Cryptantha cinerea (Greene) Cronquist var. jamesii Cronquist
micranthum Torrey = Cryptantha micrantha (Torrey) I.M. Johnston
multicaule Torrey = Cryptantha cinerea (Greene) Cronquist var. cinerea
nanum (Villars) Schrader ex Gaudin var. ***elongatum*** (Rydberg) Cronquist [M&H; W&S]
alpine forget-me-not
Eritrichium aretioides (Chamisso) A.P. de Candolle var. *elongatum* Rydberg
Eritrichium elongatum (Rydberg) W.F. Wright
pterocaryum Torrey = Cryptantha pterocarya (Torrey) Greene var. pterocarya
pusillum Torrey & Gray = Cryptantha pusilla (Torrey & Gray) Greene
Euploca convolvulacea Nuttall = Heliotropium convolvulaceum (Nuttall) Gray
grandiflora Torrey = Heliotropium convolvulaceum (Nuttall) Gray

Hackelia stickseed
Gentry, J.L. & R.L. Carrier 1976. a revision of *Hackelia* (Boraginaceae) in North America, north of Mexico. Mem. New York Bot. Gard. 26(1):121-227.
Sivinski, R., T. Lowrey, and C. Keller. 1995[1996]. Additions to the floras of Colorado and New Mexico. Phytologia 79(5):319-324. [*Hackelia ursina* var. *pustulosa*]
besseyi (Rydberg) J.L. Gentry [M&H; W&S]
Bessey's stickseed
Hackelia grisea (Wooton & Standley) I.M. Johnston
Lappula grisea Wooton & Standley
floribunda (Lehmann) I.M. Johnston [M&H; W&S]
many-flowered stickseed
Echinospermum floribundum Lehmann
Lappula floribunda (Lehmann) Greene
grisea (Wooton & Standley) I.M. Johnston = Hackelia besseyi (Rydberg) J.L. Gentry
+hirsuta (Wooton & Standley) I.M. Johnston [M&H; W&S]
New Mexico stickseed
Lappula hirsuta Wooton & Standley
pinetorum (Greene ex Gray) I.M. Johnston var. ***jonesii*** J.L. Gentry [Gentry 1974; Higgins 1979; M&H]
Jones's stickseed
pinetorum (Greene ex Gray) I.M. Johnston var. ***pinetorum*** [Gentry 1974; M&H; W&S]
Livermore stickseed
Lappula pinetorum Greene
ursina (Greene ex Gray) I.M. Johnston var. ***pustulosa*** (Macbride) J.L. Gentry [Sivinski et al. 1995]
Chihuahuan stickseed
ursina (Greene ex Gray) I.M. Johnston var. ***ursina*** [Gentry 1974; M&H; W&S]
Chihuahuan stickseed
Echinospermum ursinum Greene
Lappula leucantha Greene
Lappula ursina Greene

Heliotropium heliotrope
Sivinski, R., T. Lowrey and R. Peterson. 1994. Additions to the native and adventive flora of New Mexico. Phytologia 76(6):473-479. [*Heliotropium fruticosum*]
convolvulaceum (Nuttall) Gray [M&H; W&S]
trumpet heliotrope
Euploca convolvulacea Nuttall
Euploca grandiflora Torrey
curassavicum Linnaeus var. ***curassavicum*** [M&H; W&S]
seaside heliotrope
Heliotropium xerophilum Cockerell
curassavicum Linnaeus var. ***obovatum*** A.P. de Candolle [Higgins 1979; M&H]
seaside heliotrope
Heliotropium spathulatum Rydberg
fruticosum Linnaeus [Sivinski et al. 1994]
Key West heliotrope
greggii Torrey [M&H; W&S]
fragrant heliotrope
spathulatum Rydberg = Heliotropium curassavicum Linnaeus var. obovatum A.P. de Candolle
xerophilum Cockerell = Heliotropium curassavicum Linnaeus var. curassavicum
Krynitzkia angustifolia (Torrey) Gray = Cryptantha angustifolia (Torrey) Greene
crassisepala (Torrey & Gray) Gray = Cryptantha crassisepala (Torrey & Gray) Greene var. crassisepala
cycloptera Greene = Cryptantha pterocarya (Torrey) Greene var. cycloptera (Greene) Macbride
fendleri Gray = Cryptantha fendleri (Gray) Greene
jamesii (Torrey) Gray = Cryptantha cinerea (Greene) Cronqusit var. jamesii Cronquist
multicaulis Torrey var. *setosa* M.E. Jones = Cryptantha cinerea (Greene) Cronquist var. cinerea
oblata M.E. Jones = Cryptantha oblata (M.E. Jones) Payson
palmeri Gray = Cryptantha palmeri (Gray) Payson
pterocarya (Torrey) Gray = Cryptantha pterocarya (Torrey) Greene var. pterocarya
pusilla (Torrey & Gray) Gray = Cryptantha pusilla (Torrey & Gray) Greene

Lappula sheepbur

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Lappula squarrosa*]

occidentalis (S. Watson) Greene var. ***cupulata*** (Gray) Higgins [M&H; W&S]

spiny sheepbur

Lappula texana (Scheele) Britton var. *texana*

Lappula texana (Scheele) Britton var. *coronata* (Greene) A. Nelson & Macbride

occidentalis (S. Watson) Greene var. ***occidentalis*** [M&H; W&S]

spiny sheepbur

Lappula leucotricha Rydberg

Lappula redowskii (Hornemann) Greene

Lappula redowskii (Hornemann) Greene var. *desertorum* (Greene) I.M. Johnston

echinata Gilibert = Lappula squarrosa (Retzius) Dumortier

floribunda (Lehmann) Greene = Hackelia floribunda (Lehmann) I.M. Johnston

grisea Wooton & Standley = Hackelia grisea (Wooton & Standley) I.M. Johnston

hirsuta Wooton & Standley = Hackelia hirsuta (Wooton & Standley) I.M. Johnston

leucantha Greene = Hackelia ursina (Greene) I.M. Johnston

leucotricha Rydberg = Lappula occidentalis (S. Watson) Greene var. occidentalis

pinetorum Greene = Hackelia pinetorum (Greene) I.M. Johnston

redowskii (Hornemann) Greene = Lappula occidentalis (S. Watson) Greene var. occidentalis

redowskii (Hornemann) Greene var. *desertorum* (Greene) I.M. Johnston = Lappula occidentalis (S. Watson) Greene var. occidentalis

****squarrosa*** (Retzius) Dumortier [Allred 1999]

bristly sheepbur

Lappula echinata Gilibert

texana (Scheele) Britton var. *texana* = Lappula occidentalis (S. Watson) Greene var. cupulata (Gray) Higgins

texana (Scheele) Britton var. *coronata* (Greene) A. Nelson & Macbride = Lappula occidentalis (S. Watson) Greene var. cupulata (Gray) Higgins

ursina Greene = Hackelia ursina (Greene) I.M. Johnston

Lithospermum gromwell

angustifolium Michaux = Lithospermum incisum Lehmann

caroliniense (Walter) MacMillan : Reported as expected by M&H; awaits verification.

cobrense Greene [M&H; W&S]

Cobre gromwell

confine I.M. Johnston [Higgins 1979]

Arizona gromwell

incisum Lehmann [M&H; W&S]

fringed gromwell

Lithospermum angustifolium Michaux

Lithospermum linearifolium Goldie

Lithospermum oblongum Greene

linearifolium Goldie = Lithospermum incisum Lehmann

multiflorum Torrey ex Gray [M&H; W&S]

purple gromwell

oblongum Greene = Lithospermum incisum Lehmann

parksii I.M. Johnston. [M&H]

Parks's gromwell

viride Greene [M&H; W&S]

green gromwell

Macromeria giant trumpets

Boyd, A. 2002. Morphological analysis of Sky Island populations of *Macromeria viridiflora* (Boraginaceae). Syst. Bot. 27(1):116-126.

Turner, B.L. 1994. Synoptical study of the genus *Macromeria* (Boraginaceae). Phytologia 77(5):393-407.

thurberi (Gray) Mackenzie = Macromeria viridiflora A.P. de Candolle var. thurberi (Gray) I.M. Johnston

viridiflora A.P. de Candolle var. ***thurberi*** (Gray) I.M. Johnston [M&H; Turner 1994; W&S]

Thurber's giant trumpets

Macromeria thurberi (Gray) Mackenzie

Onosmodium thurberi Gray

viridiflora A.P. de Candolle var. ***viridiflora*** [Turner 1994]

giant trumpets

Mertensia bluebells

Heil, K. 2006. Plant distribution reports. The New Mexico Botanist 35:3. [Mertensia fusiformis, M. lanceolata coriacea]

Williams, L.O. 1937. A monograph of the genus *Mertensia* in North America. Ann. Missouri Bot. Gard. 24:17-159.

alba Rydberg = Mertensia franciscana Heller

alpina (Torrey) G. Don [M&H]

alpine bluebells

amoena A. Nelson = Mertensia lanceolata (Pursh) A.P. de Candolle var. nivalis (S. Watson) Higgins

amplifolia Wooton & Standley = Mertensia lanceolata (Pursh) A.P. de Candolle var. nivalis (S. Watson) Higgins

bakeri Greene = Mertensia lanceolata (Pursh) A.P. de Candolle var. nivalis (S. Watson) Higgins

caelestina A. Nelson & Cockerell = Mertensia lanceolata (Pursh) A.P. de Candolle var. nivalis (S. Watson) Higgins

ciliata (James ex Torrey) G. Don [M&H]
fringed bluebells
cynoglossoides Greene = Mertensia lanceolata (Pursh) A.P. de Candolle var. nivalis (S. Watson) Higgins
fendleri Gray = Mertensia lanceolata (Pursh) A.P. de Candolle var. nivalis (S. Watson) Higgins
fendleri Gray var. *pubens* Macbride = Mertensia lanceolata (Pursh) A.P. de Candolle var. nivalis (S. Watson) Higgins
franciscana Heller [M&H; W&S]
San Francisco bluebells
Mertensia alba Rydberg
Mertensia grandis Wooton & Standley
Mertensia pratensis Heller
fusiformis E.L. Greene [Heil 2006]
New Mexico bluebells
grandis Wooton & Standley = Mertensia franciscana Heller
lanceolata (Pursh) A.P. de Candolle var. *fendleri* Gray = Mertensia lanceolata (Pursh) A.P. de Candolle var. nivalis (S. Watson) Higgins
lanceolata (Pursh) A.P. de Candolle var. ***coriacea*** (A. Nelson) Higgins & Welsh [Heil 2006]
prairie bluebells
lanceolata (Pursh) A.P. de Candolle var. ***lanceolata*** [M&H; W&S]
prairie bluebells
lanceolata (Pursh) A.P. de Candolle var. ***nivalis*** (S. Watson) Higgins [M&H; W&S]
prairie bluebells
Mertensia amplifolia Wooton & Standley
Mertensia amoena A. Nelson
Mertensia bakeri Greene
Mertensia caelestina A. Nelson & Cockerell
Mertensia cynoglossoides Greene
Mertensia fendleri Gray
Mertensia fendleri Gray var. *pubens* Macbride
Mertensia lanceolata (Pursh) A.P. de Candolle var. *fendleri* Gray
Mertensia lanceolata (Pursh) A.P. de Candolle var. *pubens* Williams
Mertensia lateriflora Greene
Mertensia paniculata (Aiton) G. Don var. *nivalis* S. Watson
Mertensia viridis A. Nelson
Mertensia viridis A. Nelson var. *caelestina* (A. Nelson & Cockerell) Williams
lanceolata (Pursh) A.P. de Candolle var. *pubens* Williams = Mertensia lanceolata (Pursh) A.P. de Candolle var. nivalis (S. Watson) Higgins
lateriflora Greene = Mertensia lanceolata (Pursh) A.P. de Candolle var. nivalis (S. Watson) Higgins
paniculata (Aiton) G. Don var. *nivalis* S. Watson = Mertensia lanceolata (Pursh) A.P. de Candolle var. nivalis (S. Watson) Higgins
pratensis Heller = Mertensia franciscana Heller
viridis A. Nelson = Mertensia lanceolata (Pursh) A.P. de Candolle var. nivalis (S. Watson) Higgins
viridis A. Nelson var. *caelestina* (A. Nelson & Cockerell) L.O. Williams = Mertensia lanceolata (Pursh) A.P. de Candolle var. nivalis (S. Watson) Higgins

Myosotis forget-me-not
Hutchins, C.R. 1974. A flora of the White Mountains area, southern Lincoln and northern Otero counties, New Mexico. Privately published. [*Myosotis scorpioides*)
albida Humboldt, Bonpland, & Kunth = Cryptantha albida (Humboldt, Bonpland, & Kunth) I.M. Johnston
palustris Lamarck = Myosotis scorpioides Linnaeus
****scorpioides*** Linnaeus [Hutchins 1974; M&H]
forget-me-not
Myosotis palustris Lamarck
suffruticosa Torrey = Cryptantha cinerea (Greene) Cronqusit var. jamesii Cronqist

Onosmodium marble-seed
Turner, B.L. 1995. Synopsis of the genus *Onosmodium* (Boraginaceae). Phytologia 78:39-60.
bejariense A.P. de Candolle var. ***occidentale*** (Mackenzie) B.L. Turner [M&H; Turner 1995; W&S]
marble-seed
Onosmodium molle Michaux var. occidentale (Mackenzie) I.M. Johnston
Onosmodium occidentale Mackenzie
molle Michaux var. *occidentale* (Mackenzie) I.M. Johnston = Onosmodium bejariense A.A.P. de Candolle var. occidentale (Mackenzie) B.L. Turner
occidentale Mackenzie = Onosmodium bejariense A.A.P. de Candolle var. occidentale (Mackenzie) I.M. Johnston
thurberi Gray = Macromeria viridiflora A.P. de Candolle var. thurberi (Gray) I.M. Johnston

Oreocarya bakeri Greene = Cryptantha bakeri (Greene) Payson
flava A. Nelson = Cryptantha flava (A. Nelson) Payson
fulvocanescens (S. Watson) Greene = Cryptantha fulvocanescens (S. Watson) Payson
hispidissima (Torrey) Rydberg = Cryptantha thyrsiflora (Greene) Payson
hispidissima sensu W&S = Cryptantha oblata (M.E. Jones) Payson
lutescens Greene = Cryptantha flava (A. Nelson) Payson
multicaulis (Torrey) Greene = Cryptantha cinerea (Greene) Cronquist var. cinerea
multicaulis (Torrey) Greene var. *laxa* Macbride = Cryptantha cinerea (Greene) Cronquist var. laxa (Macbride) Higgins
oblata (M.E. Jones) Macbride = Cryptantha oblata (M.E. Jones) Payson
palmeri (Gray) Greene = Cryptantha palmeri (Gray) Payson

paradoxa A. Nelson = Cryptantha paradoxa (A. Nelson) Payson
pustulosa Rydberg = Cryptantha cinerea (Greene) Cronqusit var. pustulosa (Rydberg) Higgins
suffruticosa (Torrey) Greene = Cryptantha cinerea (Greene) Cronquist var. jamesii Cronquist
suffruticosa (Torrey) Greene var. *multicaulis* (Torrey) Payson = Cryptantha cinerea (Greene) Cronquist var. cinerea
thyrsiflora Greene = Cryptantha thyrsiflora (Greene) Payson
urticacea Wooton & Standley = Cryptantha thyrsiflora (Greene) Payson

Pectocarya combseed

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Pectocarya heterocarpa*]
Cronquist, A. 1984. Boraginaceae, pp. 207-293. IN: Intermountain Flora, vol. 4. New York Botanical Garden. [*Pectocarya setosa*]

heterocarpa I.M. Johnston. [Allred 1999]
chuckwalla combseed

platycarpa (Munz & I.M. Johnston) Munz & I.M. Johnston [Higgins 1979; M&H]
broad-fruit combseed

recurvata I.M. Johnston [Higgins 1979; M&H]
curved combseed

setosa A. Gray [Cronquist 1984]
bristly combseed

Plagiobothrys popcorn-flower

arizonicus (Gray) Greene ex Gray [Higgins 1979; W&S]
Arizona popcorn-flower
Eritrichium canescens Gray var. *arizonicum* Gray

scopulorum (Greene) I.M. Johnston = Plagiobothrys scouleri (Hooker & Arnott) I.M. Johnston var. hispidulus (Greene) Dorn

scouleri (Hooker & Arnott) I.M. Johnston var. ***hispidulus*** (Greene) Dorn [Higgins 1979; M&H]
Scouler's popcorn-flower
Allocarya scopulorum Greene
Plagiobothrys scopulorum (Greene) I.M. Johnston
Plagiobothrys scouleri (Hooker & Arnott) I.M. Johnston var. *penicillatus* (Greene) Cronquist

scouleri (Hooker & Arnott) I.M. Johnston var. *penicillatus* (Greene) Cronquist = Plagiobothrys scouleri (Hooker & Arnott) I.M. Johnston var. hispidulus (Greene) Dorn

Ptilocalyx greggii Torrey = Tiquilia greggii (Torrey) A. Richardson
Stegnocarpus canescens (A.P. de Candolle) Torrey = Tiquilia canescens (A.P. de Candolle) A. Richardson var. canescens

Symphytum comfrey

Sivinski, R. 1999. Plant distribution records. The New Mexico Botanist 12:8. [*Symphytum officinale*]

****officinale*** Linnaeus [Sivinski 1999]
comfrey

Tiquilia crinklemat

Richardson, A.T. 1977. Monograph of the genus *Tiquilia* (*Coldenia*, sensu lato), Boraginaceae: Ehretioideae. Rhodora 79(820):467-572.

canescens (A.P. de Candolle) A. Richardson var. ***canescens*** [M&H; Richardson 1977; W&S]
wooly crinklemat
Coldenia canescens A.P. de Candolle
Stegnocarpus canescens (A.P. de Candolle) Torrey

gossypina (Wooton & Standley) A. Richardson [M&H; Richardson 1977; W&S]
Texas crinklemat
Coldenia gossypina (Wooton & Standley) I.M. Johnston
Eddya gossypina Wooton & Standley

greggii (Torrey) A. Richardson [M&H; Richardson 1977; W&S]
plumed crinklemat
Coldenia greggii (Torrey) Gray
Ptilocalyx greggii Torrey

hispidissima (Torrey) A. Richardson [M&H; Richardson 1977; W&S]
hairy crinklemat
Coldenia hispidissima (Torrey) Gray
Eddya hispidissima Torrey

latior (I.M. Johnston) A. Richardson : M&H surmised that this species was common in NM, but Richardson (1977) showed its distribution to the west and did not find it in the state; awaits verification.

Family BRASSICACEAE (CRUCIFERAE)

Rollins, R.C. 1993. The Cruciferae of Continental North America: Systematics of the Mustard Family from the Arctic to Panama. Stanford University Press, Stanford, California. pp. 1-976.

Alyssum alyssum

Sivinski, R., T. Lowrey and R. Peterson. 1994. Additions to the native and adventive flora of New Mexico. Phytologia 76(6):473-479. [*Alyssum desertorum*]
Spellenberg, R., R. Worthington, P. Knight, and R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Alyssum minus*]

*alyssoides (Linnaeus) Linnaeus : Reported by Kartesz (1999) without documentation; awaits verification.

****desertorum*** Stapf [Sivinski et al. 1994]
desert alyssum

****minus*** (Linnaeus) Rothmaler var. ***micranthium*** (C.A. Meyer) Dudley [Spellenberg et al. 1986]
European alyssum

Arabis rock-cress

Al-Shehbaz, I.A. 2003. Transfer of most North American species of *Arabis* to *Boechera* (Brassicaceae). Novon 13:381-391.

angulata Greene ex Wooton & Standley = Boechera perennans (S. Watson) W.A. Weber

consanguinea Greene = Boechera holboellii (Hornemann) A.& D. Löve

divaricarpa A. Nelson = Boechera divaricarpa (A. Nelson) A.& D. Löve

drummondii Gray = Boechera *stricta* (Graham) Al-Shehbaz

eremophila Greene = Boechera perennans (S. Watson) W.A. Weber

fendleri (S. Watson) Greene var. *fendleri* = Boechera fendleri (S. Watson) W.A. Weber

fendleri (S. Watson) Greene var. *spatifolia* (Rydberg) Rollins = Boechera fendleri (S. Watson) W.A. Weber

formosa Greene = Boechera pulchra (M.E. Jones ex S. Watson) W.A. Weber

glabra (Linnaeus) Bernhardi = Turritis glabra Linnaeus

gracilenta Greene = Boechera fendleri (S. Watson) W.A. Weber

hirsuta (Linnaeus) Scopoli var. ***pycnocarpa*** (Hopkins) Rollins [M&H; W&S]

hairy rock-cress

Arabis ovata (Pursh) Poiret

holboellii Hornemann var. *retrofracta* (Graham) Rydberg = Boechera holboellii (Hornemann) A.& D. Löve

lignifera A. Nelson = Boechera lignifera (A. Nelson) W.A. Weber

longirostris S. Watson = Streptanthella longirostris (S. Watson) Rydberg

ovata (Pursh) Poiret = Arabis hirsuta (Linnaeus) Scopoli var. pycnocarpa (Hopkins) Rollins

oxyphylla Greene = Boechera *stricta* (Graham) Al-Shehbaz

perennans S. Watson = Boechera perennans (S. Watson) W.A. Weber

porphyrea Wooton & Standley = "Boechera porphyrea" ined.

pulchra M.E. Jones ex S. Watson var. *pallens* M.E. Jones = Boechera pulchra (M.E. Jones ex S. Watson) W.A. Weber

retrofracta Graham = Boechera holboellii (Hornemann) A.& D. Löve

selbyi Rydberg = Boechera selbyi (Rydberg) W.A. Weber

spatifolia = Boechera fendleri (S. Watson) W.A. Weber

Barbarea yellow-rocket

Hartman, R.L. 1973. New plant records for New Mexico. Southwestern Naturalist 18(2):241-242. [*Barbarea vulgaris*]

orthoceras Ledebour [M&H]

American yellow-rocket

verna (Miller) Ascherson : Reported as expected by M&H; awaits verification.

****vulgaris*** R. Brown [Hartman 1973; M&H]

garden yellow-rocket

Berteroa madwort

Sivinski, R., T. Lowrey, and C. Keller. 1995. Additions to the floras of Colorado and New Mexico. Phytologia 79(5):319-324. [*Berteroa incana*]

****incana*** (Linnaeus) A.P. de Candolle [Sivinski et al. 1995]

hoary madwort

Boechera rock-cress

Al-Shehbaz, I.A. 2003. Transfer of most North American species of *Arabis* to *Boechera* (Brassicaceae). Novon 13:381-391.

Windham, M.D. & I.A. Al-Shehbaz. 2006. New and noteworthy species of *Boechera* (Brassicaceae) I: Sexual diploids. Harvard Papers in Botany 11(1):61-88.

Windham, M.D. & I.A. Al-Shehbaz. 2007. New and noteworthy species of Boechera (Brassicaceae) II: Apomictic hybrids. Harvard Papers in Botany 11(2):257-274.

divaricarpa (A. Nelson) A.& D. Löve : Reported by M&H, but our plants are referrable to un-named hybrids between Boechera stricta (Graham) Al-Shehbaz × Boechera fendleri (S. Watson) W.A. Weber [Patrick Alexander, pers. comm., 2007]

Arabis divaricarpa A. Nelson

drummondii (Gray) A.& D. Löve = Boechera *stricta* (Graham) Al-Shehbaz

fendleri (S. Watson) W.A. Weber [M&H; W&S]

Fendler's rock-cress

Arabis fendleri (S. Watson) Greene

Arabis fendleri (S. Watson) Greene var. *spatifolia* (Rydberg) Rollins

Arabis gracilenta Greene

Arabis spatifolia Rydberg

Arabis fendleri (S. Watson) W.A. Weber var. *spatifolia* (Rydberg) W.A. Weber

holboellii (Hornemann) A.& D. Löve [M&H; W&S]

Holboell's rock-cress

Arabis consanguinea Greene

Arabis holboellii Hornemann var. *retrofracta* (Graham) Rydberg

Arabis retrofracta Graham

lignifera (A. Nelson) W.A. Weber [M&H]

Owen's Valley rock-cress

Arabis lignifera A. Nelson

perennans (S. Watson) W.A. Weber [M&H; W&S]

perennial rock-cress

Arabis angulata Greene ex Wooton & Standley

Arabis eremophila Greene

Arabis perennans S. Watson

porphyrea (Wooton & Standley) Windham & Al-Shehbaz [M&H; W&S]

Wooton's rock-cress

Arabis porphyrea Wooton & Standley

pulchra (M.E. Jones ex S. Watson) W.A. Weber s.s. : Our material of this complex is referrable to the segregate species Boechera formosa Greene [Windham & Shebhaz 2006].

formosa Greene [M&H; Rollins 1993; W&S]

desert rock-cress

Arabis pulchra M.E. Jones ex S. Watson var. *pallens* M.E. Jones

pallidifolia (Rollins) W.A. Weber [Windham & Al-Shebaz 2006]

pale rock-cress

selbyi (Rydberg) W.A. Weber s.s. : Reported by Rollins (1993), but our plants are segregated as Boechera pallidifolia (Rollins) W.A. Weber [Windham & Al-Shebaz 2006].

Arabis selbyi Rydberg

spatifolia (Rydberg) Windham & Al-Shebaz [Windham & Al-Shebaz 2006]

leather-leaf rock-cress

stricta (Graham) Al-Shehbaz [M&H; W&S]

Canadian rock-cress

Arabis drummondii Gray

Arabis oxyphylla Greene

Boechera drummondii (Gray) A.& D. Löve

texana Windham & Al-Shebaz [Windham & Al-Shebaz 2006]

Texas rock-cress

villosa Windham & Al-Shebaz [Windham & Al-Shebaz 2006]

Gorge rock-cress

Brassica mustard

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Brassica napus*]

Huff, C. 1996. New plant distribution records. The New Mexico Botanist 3:6. [*Brassica rapa*]

McIntosh, L. 1996. Seven additions to the flora of New Mexico. Phytologia 81(5):365-368. [*Brassica tournefortii*]

alba (Linaeus) Boissier = Sinapis alba Linnaeus

arvensis (Linnaeus) Britton, Sterns, & Poggenburg = Sinapis arvensis Linnaeus

campestris Linnaeus = Brassica rapa Linnaeus

hirta Moench = Sinapis alba Linnaeus

****juncea*** (Linnaeus) Cosson [M&H; W&S]

Chinese mustard

Sinapsis juncea Linnaeus

kaber (A.P. de Candolle) L.C. Wheeler = Sinapsis arvensis Linnaeus

****napus*** Linnaeus [Allred 1999]

turnip

nigra (Linnaeus) Koch : Reported as expected by M&H map; awaits verification.

orientalis Linnaeus = Conringia orientalis (Linnaeus) Dumort

****rapa*** Linnaeus [Huff 1996; M&H]

rape

Brassica campestris Linnaeus

****tournefortii*** Gouan [McIntosh 1996]

Asian mustard

Bursa bursa-pastoris (Linnaeus) Webber = Capsella bursa-pastoris (Linnaeus) Medikus

Camelina false-flax

****microcarpa*** Andrzejowski [M&H; W&S]

little false-flax

****sativa*** (Linnaeus) Crantz [M&H]

gold-of-pleasure, field false-flax

Capsella shepherd's purse

****bursa-pastoris*** (Linnaeus) Medikus [M&H; W&S]

shepherd's purse

Bursa bursa-pastoris (Linnaeus) Webber

Cardamine bitter-cress

Forbes, A. 1998. New plant distribution records. The New Mexico Botanist 8:10. [*C. hirsuta*]

Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233. [*C. cordifolia incana*]

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*C. pensylvanica*]

cordifolia Gray var. ***cordifolia*** [M&H; W&S]

mountain bitter-cress

cordifolia Gray var. ***incana*** Gray ex M.E. Jones [Hartman et al. 2006]

mountain bitter-cress

****hirsuta*** Linnaeus [Forbes 1998]

hairy bitter-cress

pensylvanica Muhlenberg ex Willdenow [Heil et al. 2002]

Quaker bitter-cress

Cardaria chalepensis (Linnaeus) Handel-Mazzetti = Lepidium chalepense Linnaeus
draba (Linnaeus) Desvaux = Lepidium draba Linnaeus
pubescens (C.A. Meyer) Jarmolenko = Lepidium appelianum Al-Shehbaz

Caulanthus western-cabbage

Spellenberg, R., L. McIntosh, and L. Brouillet. 1993. New records of angiosperms from southern New Mexico. Phytologia 75:224-230. [*Caulanthus lasiophyllus*]

lasiophyllus (Hooker & Arnott) Payson [Spellenberg et al. 1993]
western-cabbage

Cheiranthus aridus Greene = Erysimum capitatum (Douglas ex Hooker) Greene var. purshii (Durand) Rollins
Cheirinia arida Greene = Erysimum capitatum (Douglas ex Hooker) Greene var. purshii (Durand) Rollins
aspera (Nuttall) Rydberg = Erysimum asperum (Nuttall) A.P. de Candolle
asperrima (Greene) Rydberg = Erysimum capitatum (Douglas ex Hooker) Greene var. purshii (Durand) Rollins
bakeri (Greene) Rydberg = Erysimum capitatum (Douglas ex Hooker) Greene var. purshii (Durand) Rollins
desertorum Wooton & Standley = Erysimum capitatum (Douglas ex Hooker) Greene var. purshii (Durand) Rollins
elata (Nuttall) Rydberg = Erysimum capitatum (Douglas ex Hooker) Greene var. capitatum
inconspicua (S. Watson) Rydberg = Erysimum inconspicuum (S. Watson) MacMillan
wheeleri (Rothrock) Rydberg = Erysimum capitatum (Douglas) Greene var. capitatum

Chorispora crossflower

****tenella*** (Pallas) A.P. de Candolle [M&H; Marley & Wagner 1981]
crossflower
Raphanus tenella Pallas

Conringia hare's-ear-mustard

****orientalis*** (Linnaeus) Dumort [M&H; W&S]
hare's-ear-mustard
Brassica orientalis Linnaeus

Coronopus didymus (Linnaeus) I.E. Smith = Lepidium didymum Linnaeus

Descurainia tansy-mustard

andrenarum (Cockerell) Shinners = Descurainia pinnata (Walter) Britton subsp. halictorum (Cockerell) Detling
californica (Gray) O. E. Schulz [M&H]
Sierran tansy-mustard
incana (Bernhardi ex Fischer & Meyer) Dorn [M&H; W&S]
mountain tansy-mustard
Descurainia richardsonii (Sweet) O.E. Schulz subsp. *procera* (Greene) Detling
Sophia procera Greene
incisa (Engelmann ex A. Gray) Britton subsp. ***filipes*** (A. Gray) Rollins [Rollins 1993]
tansy-mustard
incisa (Engelmann ex A. Gray) Britton subsp. ***incisa*** [M&H; Rollins 1993; W&S]
tansy-mustard
Descurainia richardsonii (Sweet) O.E. Schulz subsp. *incisa* (Engelmann ex A. Gray) Detling
Sophia incisa (Engelmann ex A. Gray) Greene
Sophia serrata Greene
incisa (Engelmann ex A. Gray) Britton subsp. ***paysonii*** (Detling) Rollins [M&H] Note: The range given by Rollins (1993) seems to question the occurrence of this taxon in NM.
tansy-mustard
Descurainia pinnata (Walter) Britton subsp. *paysonii* Detling
incisa (Engelmann ex A. Gray) Britton subsp. ***viscosa*** (Rydberg) Rollins [M&H]
tansy-mustard
Descurainia richardsonii (Sweet) O.E. Schulz subsp. *viscosa* (Rydberg) Detling
Sophia viscosa Rydberg
intermedia (Rydberg) Daniels = Descurainia pinnata (Walter) Britton var. intermedia (Rydberg) C.L. Hitchcock
obtusa (Greene) O.E. Schultz subsp. ***adenophora*** (Wooton & Standley) Detling [M&H; W&S]
blunt tansy-mustard
Sophia adenophora Wooton & Standley
obtusa (Greene) O.E. Schultz subsp. *brevisiliqua* Detling = Descurainia obtusa (Greene) O. E. Schulz subsp. obtusa
obtusa (Greene) O. E. Schulz subsp. ***obtusa*** [M&H; W&S]
blunt tansy-mustard
Descurainia obtusa (Greene) O.E. Schultz subsp. *brevisiliqua* Detling
Sophia obtusa Greene
pinnata (Walter) Britton subsp. ***brachycarpa*** (Richardson) Detling [M&H]
western tansy-mustard
Sisymbrium brachycarpum Richardson
pinnata (Walter) Britton subsp. ***glabra*** (Wooton & Standley) Detling [M&H; W&S]
western tansy-mustard
Sophia glabra Wooton & Standley
pinnata (Walter) Britton subsp. ***halictorum*** (Cockerell) Detling [M&H; W&S]
western tansy-mustard

Descurainia andrenarum (Cockerell) Cory
Descurainia andrenarum (Cockerell) Cory var. *osmiarum* (Cockerell) O.E. Schulz
Descurainia pinnata (Walter) Britton var. *osmiarum* (Cockerell) Shinners
Sophia halictorum Cockerell

pinnata (Walter) Britton subsp. ***intermedia*** (Rydberg) C.L. Hitchcock [Heil et al. 2002]
western tansy-mustard
Descurainia intermedia (Rydberg) Daniels

pinnata (Walter) Britton subsp. ***ochroleuca*** (Wooton) Detling [M&H; W&S]
western tansy-mustard
Sophia ochroleuca Wooton

pinnata (Walter) Britton var. *osmiarum* (Cockerell) Shinners = Descurainia pinnata (Walter) Britton subsp. halictorum (Cockerell) Detling
pinnata (Walter) Britton subsp. *paysonii* Detling = Descurainia incisa (Engelmann ex A. Gray) Britton subsp. paysonii (Detling) Rollins
richardsonii (Sweet) O.E. Schulz subsp. *incisa* (Engelmann) Detling = Descurainia incisa (Engelmann ex A. Gray) Britton subsp. incisa
richardsonii (Sweet) O.E. Schulz subsp. *procera* (Greene) Detling = Descurainia incana (Bernhardi ex Fischer & Meyer) Dorn
richardsonii (Sweet) O.E. Schulz subsp. *viscosa* (Rydberg) Detling = Descurainia incisa (Engelmann ex A. Gray) Britton subsp. viscosa (Rydberg) Rollins

****sophia*** (Linnaeus) Webb ex Prantl [M&H]
flixweed

Dimorphocarpa spectacle-pod
Rollins, R.C. 1979. *Dithyrea* and a related genus (Cruciferae). The Bussey Institute of Harvard University. pp. 1-32.

candicans (Rafinesque) Rollins [Rollins 1979, 1993]
Palmer's spectacle-pod
Dimorphocarpa palmeri (Payson) Rollins

palmeri (Payson) Rollins = Dimorphocarpa candicans (Rafinesque) Rollins

wislizeni (Engelmann) Rollins [M&H; Rollins 1979, 1993; W&S]
spectacle-pod, tourist plant
Dithyrea griffithsi Wooton & Standley
Dithyrea wislizeni Engelmann
Dithyrea wislizeni Engelmann var. *griffithsii* (Wooton & Standley) Payson

Diplotaxis wallrocket
Marley, G.A. & W.L. Wagner. 1981. Noteworthy collections (New Mexico). Madroño 28:41-43. [***D. muralis***]

****muralis*** (Linnaeus) A.P. de Candolle [Marley & Wagner 1981]
annual wallrocket

****tenuifolia*** (Linnaeus) A.P. de Candolle [Spellenberg et al. 1986]
perennial wallrocket

Disaccanthus luteus Greene = Streptanthus carinatus Wright ex Gray subsp. arizonicus (S. Watson) Kruckeberg, Rodman, & Worthington
mogollonicus Greene = Streptanthus carinatus Wright ex Gray subsp. arizonicus (S. Watson) Kruckeberg, Rodman, & Worthington
validus Greene = Streptanthus carinatus Wright ex Gray subsp. carinatus
Dithyrea griffithsii Wooton & Standley = Dimorphocarpa wislizeni (Engelmann) Rollins
wislizeni Engelmann = Dimorphocarpa wislizeni (Engelmann) Rollins
wislizeni Engelmann var. *griffithsii* (Wooton & Standley) Payson = Dimorphocarpa wislizeni (Engelmann) Rollins

Draba Whitlow-grass
Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233. [*Draba grayana*]
Peterson, R.S. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Draba spectabilis*]

aurea Vahl ex Hornemann [M&H]
golden Whitlow-grass
Draba aurea Vahl ex Hornemann var. *leiocarpa* (Payson & St. John) C.L. Hitchcock
Draba leiocarpa Payson & St. John

aurea Vahl ex Hornemann var. *leiocarpa* (Payson & St. John) C.L. Hitchcock = Draba aurea Vahl ex Hornemann
aurea Vahl var. *neomexicana* (Greene) Tidestrom = Draba helleriana Greene var. helleriana
brachycarpa Nuttall : Reported as expected by M&H; awaits verification.
breweri S. Watson var. *cana* (Rydberg) Rollins = Draba cana Rydberg

cana Rydberg [M&H; W&S]
cushion Whitlow-grass
Draba breweri S. Watson var. *cana* (Rydberg) Rollins
Draba lanceolata of North American authors, not Royle

coloradensis Rydberg = Draba reptans (Lamarck) Fernald

crassifolia Graham [M&H]
snowbed whitlow-grass

cuneifolia Nuttall ex Torrey & Gray var. ***cuneifolia*** [M&H; W&S]
wedgeleaf Whitlow-grass

cuneifolia Nuttall var. platycarpa (Torrey & Gray) S. Watson (=Draba platycarpa Torrey & Gray) : Reported as expected by M&H map; awaits verification.

gilgiana Wooton & Standley = Draba standleyi Macbride & Payson

grayana (Rydberg) C.L. Hitchcock [Hartman et al. 2006]

helleriana Greene var. ***blumeri*** C.L. Hitchcock [M&H]

Blumer's Whitlow-grass
Draba helleriana Greene var. *pinetorum* (Greene) O. E. Schulz
helleriana Greene var. ***helleriana*** [M&H; W&S]
Heller Whitlow-grass
Draba aurea Vahl var. *neomexicana* (Greene) Tidestrom
Draba neomexicana Greene
helleriana Greene var. ***patens*** (Heller) O.E. Schulz [M&H; W&S]
Heller Whitlow-grass
Draba pallida Heller
Draba patens Heller
helleriana Greene var. *pinetorum* (Greene) O. E. Schulz = Draba helleriana Greene var blumeri C.L. Hitchcock
lanceolata of North American authors, not Royle = Draba breweri S. Watson var. cana (Rydberg) Rollins
leiocarpa Payson & St. John = Draba aurea Vahl ex Hornemann
micrantha Nuttall = Draba reptans (Lamarck) Fernald
+mogollonica Greene [M&H; W&S]
Mogollon Whitlow-grass
montana S. Watson = Draba rectifructa C.L. Hitchcock
neomexicana Greene = Draba helleriana Greene var. helleriana
pallida Heller = Draba helleriana Greene var. patens (Heller) O.E. Schulz
patens Heller = Draba helleriana Greene var. patens (Heller) O. E. Schulz
petrophila Greene var. ***petrophila*** [M&H; W&S]
Santa Rita Whitlow-grass
rectifructa C.L. Hitchcock [M&H; W&S]
mountain Whitlow-grass
Draba montana S. Watson
reptans (Lamarck) Fernald [M&H; W&S]
Carolina Whitlow-grass
Draba coloradensis Rydberg
Draba micrantha Nuttall
Draba reptans (Lamarck) Fernald forma *micrantha* (Nuttall) C.L. Hitchcock
reptans (Lamarck) Fernald forma *micrantha* (Nuttall) C.L. Hitchcock = Draba reptans (Lamarck) Fernald
spectabilis Greene [Peterson 2000]
showy Whitlow-grass
standleyi Macbride & Payson [M&H; W&S]
Standley's Whitlow-grass
Draba gilgiana Wooton & Standley
streptocarpa Gray [M&H; W&S]
pretty Whitlow-grass
Draba streptocarpa Gray var. *tonsa* (Wooton & Standley) O.E. Schulz
Draba tonsa Wooton & Standley
streptocarpa Gray var. *tonsa* (Wooton & Standley) O.E. Schulz = Draba streptocarpa Gray
tonsa Wooton & Standley = Draba streptocarpa Gray

Dryopetalon rock-mustard
runcinatum Gray [M&H; W&S]
rock-mustard

Eruca garden rocket
eruca (Linnaeus) Britton = Eruca vesicaria (Linnaeus) Cavanilles subsp. sativa (Miller) Thellung
sativa Miller = Eruca vesicaria (Linnaeus) Cavanilles subsp. sativa (Miller) Thellung
****vesicaria*** (Linnaeus) Cavanilles subsp. ***sativa*** (Miller) Thellung [M&H; W&S]
garden rocket
Eruca eruca (Linnaeus) Britton
Eruca sativa Miller

Erucastrum pollichii Schimper & Spenner [=Erucastrum gallicum (Willdenow) O.E. Schulz] : Reported by Campbell & Little (1935), but the identification is corrected to Thelypodium wrightii Gray.

Erysimum wallflower
Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*E. cheiranthoides*]
asperrimum (Greene) Rydberg = Erysimum captiatum (Douglas ex Hooker) Greene var. purshii (Durand) Rollins
asperum (Nuttall) A.P. de Candolle [M&H; W&S]
plains wallflower
Cheirinia aspera (Nuttall) Rydberg
asperum (Nuttall) A.P. de Candolle var. *inconspicuum* S. Watson = Erysimum inconspicuum (S. Watson) MacMillan
bakeri Rydberg = Erysimum captiatum (Douglas ex Hooker) Greene var. purshii (Durand) Rollins
capitatum (Douglas ex Hooker) Greene var. ***capitatum*** [M&H; W&S]
wallflower
Cheirinia elata (Nuttall) Rydberg

Cheirinia wheeleri (Rothrock) Rydberg
Erysimum elatum Nuttall
Erysimum wheeleri Rothrock

capitatum (Douglas ex Hooker) Greene var. ***purshii*** (Durand) Rollins [M&H; W&S]
Pursh's wallflower
Cheirinia arida Greene
Cheirinia asperrima (Greene) Rydberg
Cheirinia bakeri (Greene) Rydberg
Cheirinia desertorum Wooton & Standley
Erysimum asperrimum (Greene) Rydberg
Erysimum bakeri Rydberg
Erysimum desertorum (Wooton & Standley) Rossbach

****cheiranthoides*** Linnaeus [Heil et al. 2002]
worm-seed wallflower

desertorum (Wooton & Standley) Rossbach = Erysimum capitatum (Douglas ex Hooker) Greene var. purshii (Durand) Rollins

elatum Nuttall = Erysimum capitatum (Douglas ex Hooker) Greene var. capitatum

inconspicuum (S. Watson) MacMillan [M&H; W&S]
wallflower
Cheirinia inconspicua (S. Watson) Rydberg
Erysimum asperum (Nuttall) A.P. de Candolle var. *inconspicuum* S. Watson
Erysimum parviflorum Nuttall

parviflorum Nuttall = Erysimum inconspicuum (S. Watson) MacMillan

****repandum*** Linnaeus [M&H]
spreading wallflower

wheeleri Rothrock = Erysimum capitatum (Douglas ex Hooker) Greene var. capitatum

Euklisia crassifolia (Greene) Rydberg = Strepthanthus cordatus Nuttall

longirostris (S. Watson) Rydberg = Streptanthella longirostris (S. Watson) Rydberg

valida (Greene) Wooton & Standley = Streptanthus carinatus C. Wright ex A. Gray subsp. carinatus

Greggia camporum Gray var. *camporum* = Nerisyrenia camporum (Gray) Greene

camporum Gray var. *linearifolium* (S. Watson) M.E. Jones = Nerisyrenia linearifolia (S. Watson) Greene

Halimolobos fissurewort

diffusus (Gray) O.E. Schulz [M&H; W&S]
fissurewort
Sisymbrium diffusum Gray

Hesperidanthus plains-mustard
Rollins, R.C. 1982. *Thelypodiopsis* and *Schoenocrambe* (Cruciferae). Contr. Gray Herb. 212:71-102.
Warwick, S.I., A. Al-Shehbaz, R.A. Price, & C. Sauder. 2002. Phylogeny of *Sisymbrium* (Brassicaceae) based on ITS sequences of neclear ribosomal DNA. Can. J. Bot. 80:1002-1017.

linearifolius (Gray) Rydberg [M&H; Rollins 1982; W&S]
slim-leaf plains-mustard
Schoenocrambe linearifolia (Gray) Rollins
Sisymbrium linearifolium (Gray) Payson
Thelypodiopsis linearifolia (Gray) Al-Shebaz
Thelypodium linearifolium (Gray) S. Watson

Hesperis rocket
Cox, G.W. & R.S. Peterson. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Hesperis matronalis*]

****matronalis*** [Cox & Peterson 2000]
mother-of-the-evening

Heterothrix longifolia (Bentham) Rydberg = Pennellia longifolia (Bentham) Rollins

micrantha (Gray) Rydberg = Pennellia micrantha (Gray) Niewl.

Hornungia slenderweed
Appel, O. & I.A. Al-Shehbaz. 1997. Generic limits and taxonomy of *Hornungia*, *Pritzelago*, and *Hymenolobus* (Brassicaceae). Novon 7:338-340.
Heil, K. 2004. Plant distribution reports. The New Mexico Botanist 31:2. [*Hutchinsia procumbens*]

****procumbens*** (Linnaeus) Hayek [Heil 2004]
slenderweed
Hutchinsia procumbens (Linnaeus) Desvaux

Hutchinsia procumbens (Linnaeus) Desvaux = Hornungia procumbens (Linnaeus) Hayek

Iberis candytuft
Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Iberis umbellata*]

****umbellata*** Linnaeus [Allred 1999]
globe candytuft

Isatis woad
Allred, K.W. 1996. New plant distribution records. The New Mexico Botanist 4:6. [*Isatis tinctoria*]

****tinctoria*** Linnaeus [Allred 1996]
dyer's woad

Lamphrophragma longifolium (S. Watson) O. E. Schulz = Pennellia longifolia (Bentham) Rollins

Lepidium pepperweed
Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Lepidium latifolium*]

Al-Shehbaz, I.A. 1986. The genera of Lepidieae (Cruciferae; Brassicaceae) in the southeastern United States. J. Arnold Arboretum 67:265-311. [*Lepidium austrinum*]
Al-Shehbaz, I.A., K. Mummenhoff, & O. Appel. 2002. *Cardaria, Coronopus*, and *Stroganowia* are united with *Lepidium* (Brassicaceae). Novon 12:5-11.
Bleakly, D. 2003. Plant distribution reports. The New Mexico Botanist 25:7. [*Lepidium appelianum*]
Hartman, R.L. 2003. Preliminary checklist of the vascular plants of Valles Caldera National Preserve, New Mexico. Distributed by the author <rhartman@uwyo.edu>. [*Lepidium ramosissim bourgeauanum*]
Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233. [*L. ramosissimum bourgeauanum*]
Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*L. montanum montanum*]
Great Plains Flora Association. 1977. Atlas of the Flora of the Great Plains. Iowa State Univ. Press. 600 pp. [*Lepidium campestre*]
Sivinski, R., T. Lowrey and R. Peterson. 1994. Additions to the native and adventive flora of New Mexico. Phytologia 76(6):473-479. [*Lepidium chalepense*]
Spellenberg, R., L. McIntosh, and L. Brouillet. 1993. New records of angiosperms from southern New Mexico. Phytologia 75:224-230. [*Lepidium didymum*]
Wagner, W.L. 1983. Noteworthy collections (New Mexico). Madroño 30:126. [*Lepidium oblongum*]

alyssoides Gray var. ***alyssoides*** [Rollins 1993; W&S]
mesa pepperweed
Lepidium montanum Nuttall var. *alyssoides* (Gray) M.E. Jones

alyssoides Gray var. ***angustifolium*** (C.L. Hitchcock) Rollins [M&H; Rollins 1993]
mesa pepperweed
L*epidium montanum* Nuttall var. *angustifolium* C.L. Hitchcock

alyssoides Gray var. ***eastwoodiae*** (Wooton) Rollins [M&H; W&S]
Eastwood's pepperweed
Lepidium eastwoodiae Wooton

****appelianum*** Al-Shehbaz [Bleakly 2003]
hoary-cress
Cardaria pubescens (C.A. Meyer) Jarmolenko

apetalum Willdenow = Lepidium densiflorum Schrader var. densiflorum

austrinum Small [Al-Shehbaz 1986]
southern pepperweed

****campestre*** (Linnaeus) R.Brown [Great Plains Flora Assoc. 1977]
field pepperweed
Thlaspi campestre Linnaeus

****chalepense*** Linnaeus [Sivinski et al. 1994]
hoary-cress
Cardaria chalepensis (Linnaeus) Handel-Mazzetti

crenatum (Greene) Rydberg [Rollins 1993]
alkali pepperweed
Lepidium vasayanum Thellung

densiflorum Schrader var. *bourgeauanum* (Thellung) Hitchcock = Lepidium ramosissimum A. Nelson var. bourgeauanum (Thellung) Rollins

densiflorum Schrader var. ***densiflorum*** [M&H; W&S]
miner's pepperweed
Lepidium apetalum Linnaeus

densiflorum Schrader var. ***ramosum*** (A. Nelson) Thellung [M&H; Rollins 1993]
miner's pepperweed
Lepidium ramosum A. Nelson

****didymum*** Linnaeus [Spellenberg et al. 1993]
lesser swine-cress
Coronopus didymus (Linnaeus) I.E. Smith

****draba*** Linnaeus [M&H; W&S]
hoary-cress
Cardaria draba (Linnaeus) Desvaux

eastwoodiae Wooton = Lepidium alyssoides Gray var. eastwoodiae (Wooton) Rollins

glaucum Greene = Lepidium virginicum Linnaeus var. medium (Greene) Hitchcock

hirsutum Rydberg = Lepidium medium Greene var. pubescens (Greene) Robinson

intermedium Gray = Lepidium virginicum Linnaeus var. medium (Greene) Hitchcock

intermedium Gray var. *pubescens* Greene = Lepidium ***var. pubescens (Greene) Thellung***

lasiocarpum Nuttall var. ***wrightii*** (Gray) C.L. Hitchcock [M&H; Rollins 1993; W&S]
Wright's pepperweed
Lepidium wrightii Gray

****latifolium*** Linnaeus [Allred 1999]
broad-leaf pepperweed

medium Greene var. *medium* = Lepidium virginicum Linnaeus var. medium (Greene) Hitchcock

medium Greene var. *pubescens* (Greene) Robinson= Lepidium virginicum Linnaeus var. pubescens (Greene) Hitchcock

montanum Nuttall var. *alyssoides* (Gray) M.E. Jones = Lepidium alyssoides Gray var. alyssoides

montanum Nuttall var. *angustifolium* C.L. Hitchcock = Lepidium alyssoides Gray var. angustifolium (C.L. Hitchcock) Rollins

montanum Nuttall var. canescens (Thellung) C.L. Hitchcock : Reported by M&H, but the distribution given in Rollins (1993) seems to preclude this; needs verification

montanum Nuttall var. ***jonesii*** (Rydberg) C.L. Hitchcock [M&H]

Jones's pepperweed
montanum Nuttall var. ***montanum*** [Heil et al. 2002]
mountain pepperweed
oblongum Small [M&H; Wagner 1983]
veiny pepperweed
****perfoliatum*** Linnaeus [M&H]
clasping pepperweed
ramosissimum A. Nelson var. ***bourgeauanum*** (Thellung) Rollins [Hartman 2003; Hartman et al. 2006]
branched pepperweed
Lepidium bourgeauanum Thellung
Lepidium densiflorum Schrader var. *bourgeauanum* (Thellung) Hitchcock
ramosissimum A. Nelson var. ***ramosissimum*** [Rollins 1993]
branched pepperweed
ramosum A. Nelson = Lepidium densiflorum Schrader var. ramosum (A. Nelson) Thellung
thurberi Wooton [M&H; W&S]
Thurber's pepperweed
vaseyanum Thellung = Lepidium crenatum (Greene) Rydberg
virginicum Linnaeus var. ***medium*** (Greene) Hitchcock [M&H; W&S]
poor-man's pepperweed
Lepidium glaucum Greene
Lepidium intermedium Gray
Lepidium medium Greene var. *medium*
virginicum Linnaeus var. ***pubescens*** (Greene) Thellung [M&H; W&S]
poor-man's pepperweed
Lepidium hirsutum Rydberg
Lepidium intermedium Gray var. *pubescens* Greene
Lepidium medium Greene var. *pubescens* (Greene) Robinson
wrightii Gray = Lepidium lasiocarpum Nuttall var. wrightii (Gray) C.L. Hitchcock
Lesquerella aurea Wooton = Physaria aurea (Wooton) O'Kane & Al-Shehbaz
calcicola Rollins = Physaria calcicola (Rollins) O'Kane & Al-Shehbaz
fendleri (Gray) S. Watson = Physaria fendleri (Gray) O'Kane & Al-Shehbaz
gooddingii Rollins & Shaw = Physaria gooddingii (Rollins & Shaw) O'Kane & Al-Shehbaz
gordonii (A. Gray) S. Watson var. *densifolia* Rollins = Physaria gordonii (A. Gray) O'Kane & Al-Shehbaz var. densifolia (Rollins) O'Kane & Al-Shehbaz
gordonii (Gray) S. Watson var. *gordonii* = Physaria gordonii (A. Gray) O'Kane & Al-Shehbaz var. gordonii
gordonii (Gray) S. Watson var. sessilis S. Watson [=Lesquerella tenella A. Nelson] : Reported as expected by M&H; awaits verification.
intermedia (S. Watson) Heller = Physaria intermedia (S. Watson) O'Kane & Al-Shehbaz
lata Wooton & Standley = Physaria lata (Wooton & Standley) O'Kane & Al-Shehbaz
ludoviciana (Nuttall) S. Watson = Physaria ludoviciana (Nuttall) O'Kane & Al-Shehbaz
montana (Gray) S. Watson = Physaria montana (Gray) E.L. Greene
montana (Gray) S. Watosn var. *suffruticosa* Payson = Physaria Montana (Gray) E.L. Greene
navajoensis O'Kane = Physaria navajoensis (O'Kane) O'Kane & Al-Shehbaz
ovalifolia Rydberg = Physaria ovalifolia (Rydberg) O'Kane & Al-Shehbaz
pinetorum Wooton & Standley = Physaria pinetorum (Wooton & Standley) O'Kane & Al-Shehbaz
praecox Wooton & Standley = Physaria fendleri (Gray) O'Kane & Al-Shehbaz
pruinosa Greene = Physaria pruinosa (Greene) O'Kane & Al-Shehbaz
purpurea (Gray) S. Watson = Physaria purpurea (Gray) O'Kane & Al-Shehbaz
rectipes Wooton & Standley = Physaria rectipes (Wooton & Standley) O'Kane & Al-Shehbaz
valida Greene = Physaria valida (Greene) O'Kane & Al-Shehbaz

Lobularia sweet alyssum
Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Lobularia maritima*]
****maritima*** (Linnaeus) Desvaux [Allred 1999]
sweet alyssum

Malcolmia adder's-mouth
Marley, G. & W.L. Wagner. 1981. Noteworthy collections (New Mexico). Madroño 28:41-43. [Malcolmia africana]
****africana*** (Linnaeus) R. Brown [Marley & Wagner 1981]
African adder's-mouth

Matthiola stock
Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Matthiola longipetala*]
bicornis A.P. de Candolle = Matthiola longipetala (Ventenat) A.P. de Candolle
****longipetala*** (Ventenat) A.P. de Candolle [Allred 1999]
night-scented stock
Matthiola bicornis A.P. de Candolle

Nasturtium water-cress
Al-Shehbaz, I.A. & R.A. Price. 1998. Delimitation of the genus *Nasturtium* (Brassicaceae). Novon 8:124-126.
hispidum (Desvaux) A.P. de Candolle = Rorippa palustris (Linnaeus) von Besser var. hispida (Desvaux) Rydberg
microtitis (Robinson) O. E. Schulz = Rorippa microtitis (Robinson) Rollins

*__officinale__ R.Brown [M&H; W&S]
water-cress
Radicula nasturtium-aquaticum (Linnaeus) Britton & Rendle
Rorippa nasturtium Rusby
Rorippa nasturtium-aquaticum (Linnaeus) Schinz & Thellung
Sisymbrium nasturtium-aquaticum Linnaeus
sinuatum Nuttall = Rorippa sinuata (Nuttall) A.S. Hitchcock
sphaerocarpum Gray = Rorippa sphaerocarpa (Gray) Britton
trachycarpum Gray = Rorippa sinuata (Nuttall) A.S. Hitchcock

__Nerisyrenia__ fan-mustard

Bacon, J.D. 1978. Taxonomy of *Nerisyrenia* (Cruciferae). Rhodora 80:159-227.

__camporum__ (Gray) Greene [Bacon 1978; M&H; Rollins 1993; W&S]
bicolored fan-mustard
Greggia camporum Gray var. *camporum*
Parrasia camporum (Gray) Greene

__linearifolia__ (S. Watson) Greene [Bacon 1978; M&H; Rollins 1993; W&S]
White Sands fan-mustard
Greggia camporum Gray var. *linearifolium* (S. Watson) M.E. Jones
Parrasia linearifolia (S. Watson) Greene

__Noccaea__ mountain-cress

Holmgren, P.K. 1971. A biosystematic study of North American *Thlaspi montanum* and its allies. Mem. N.Y. Bot. Gard. 21:1-106.
Koch, M. & I. Al-Shehbaz. 2004. Taxonomic and phylogenetic evaluation of the American "*Thlaspi*" species: Identity and relationship to the Eurasian genus *Noccaea* (Brassicaceae). Syst. Bot. 29(2):375-384.

__fendleri__ (Gray) Holub subsp. __fendleri__ [Holmgren 1971; W&S]
Fendler's mountain-cress
Thlaspi fendleri Gray
Thlaspi montanum Linnaeus var. *fendleri* (Gray) Holmgren

__fendleri__ (Gray) Holub subsp. __glauca__ (A. Nelson) Al-Shebaz & M. Koch [Holmgren 1971; W&S]
Fendler's penny-cress
Thlaspi alpestre of NM authors
Thlaspi alpestre L. var. *glaucum* A. Nelson
Thlaspi coloradense Rydberg
Thlaspi fendleri Gray var. *glaucum* (A. Nelson) C.L. Hitchcock
Thlaspi purpurascens Rydberg

Norta altissima (Linnaeus) Britton = Sisymbrium altissimum Linnaeus
Pachypodium integrifolium Nuttall = Thelypodium integrifolium (Nuttall) Endlicher ex Walpers
Parrasia camporum (Gray) Greene = Nerisyrenia camporum (Gray) Greene
linearifolia (S. Watson) Greene = Nerisyrenia linearifolia (S. Watson) Greene

__Pennellia__ thelypody

Rollins, R.C. 1980. The genus *Pennellia* (Cruciferae) in North America. Contr. Gray Herb. 210:5-21.

__longifolia__ (Bentham) Rollins [M&H; Rollins 1980; W&s]
long-leaf thelypody
Heterothrix longifolia (Bentham) Rydberg
Lamphrophragma longifolium (S. Watson) O. E. Schulz
Streptanthus longifolius Bentham
Thelypodium longifolium (Bentham) S. Watson

__micrantha__ (Gray) Nieuwland [M&H; Rollins 1980; W&S]
mountain thelypody
Heterothrix micrantha (Gray) Rydberg
Streptanthus micranthus Gray
Thelypodium micranthum (Gray) S. Watson

__Physaria__ bladderpod, twinpod

Al-Shehbaz, I.A. & S.L. O'Kane. 2002. *Lesquerella* is united with Physaria (Brassicaceae). Novon 12:319-329.
Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*P. ludoviciana*]
O'Kane, S.L., Jr. 1999. *Lesquerella navajoensis* (Brassicaceae), a new species of the *L. hitchcockii* complex from New Mexico. Madroño 46:88-91.
O'Kane, S.L. 2000. New plant distribution records. The New Mexico Botanist 16:7. [*P. pruinosa*]
Rollins, R.C. and E.A. Shaw. 1973. The genus *Lesquerella* (Cruciferae) in North America. Harvard Univ. Press. 288 p.
Sivinski, R.C. 1999. A new variety of *Physaria newberryi* (Brassicaceae) from New Mexico. Sida 18(3):673-677. [var. *yesicola*]

__acutifolia__ Rydberg var. __acutifolia__ [M&H; Rollins 1993]
pointed twinpod
Physaria australis (Payson) Rollins
Physaria didymocarpa (Hooker) Gray var. *australis* Payson

+__aurea__ (Wooton) O'Kane & Al-Shehbaz [M&H; Rollins 1993; W&S]
golden bladderpod
Lesquerella aurea Wooton

australis (Payson) Rollins = Physaria acutifolia Rydberg var. acutifolia

__calcicola__ (Rollins) O'Kane & Al-Shehbaz [M&H; Rollins 1993]

Rocky Mountain bladderpod
Lesquerella calcicola Rollins
didymocarpa (Hooker) Gray var. *australis* Payson = Physaria acutifolia Rydberg var. acutifolia
fendleri (A. Gray) O'Kane & Al-Shehbaz [M&H; W&S]
Fendler's bladderpod
Lesquerella fendleri (Gray) S. Watson
Lesquerella praecox Wooton & Standley
Lesquerella stenophylla (Gray) Rydberg
Vesicaria fendleri Gray
floribunda Rydberg var. ***floribunda*** [M&H; Rollins 1993]
twinpod
gooddingii (Rollins & Shaw) O'Kane & Al-Shehbaz [M&H; Rollins 1993]
Goodding's bladderpod
Lesquerella gooddingii Rollins & Shaw
+***gordonii*** (A. Gray) O'Kane & Al-Shehbaz var. ***densifolia*** (Rollins) O'Kane & Al-Shehbaz [Rollins 1993]
Gordon's bladderpod
Lesquerella gordonii (A. Gray) S. Watson var. *densifolia* Rollins
gordonii (A. Gray) O'Kane & Al-Shehbaz var. ***gordonii*** [M&H; Rollins 1993; W&S]
Gordon's bladderpod
Lesquerella gordonii (Gray) S. Watson var. *gordonii*
Vesicaria gordonii Gray
intermedia (S. Watson) O'Kane & Al-Shehbaz [M&H; Rollins 1993; W&S]
Santa Fe bladderpod
Lesquerella intermedia (S. Watson) Heller
+***lata*** (Wooton & Standley) O'Kane & Al-Shehbaz [M&H; Rollins 1993; W&S]
Lincoln County bladderpod
Lesquerella lata Wooton & Standley
ludoviciana (Nuttall) O'Kane & Al-Shehbaz [Heil et al. 2002]
Louisiana bladderpod
Lesquerella ludoviciana (Nuttall) S. Watson
montana (A. Gray) E.L Greene [M&H; Rollins 1993; W&S]
mountain bladderpod
Lesquerella montana (A. Gray) S. Watson
Lesquerella montana (Gray) S. Watosn var. *suffruticosa* Payson
+***navajoensis*** (O'Kane) O'Kane & Al-Shehbaz [O'Kane 1999]
Navajo bladderpod
Lesquerella *navajoensis* O'Kane
newberryi A. Gray var. ***newberryi*** [M&H; Rollins 1993; W&S]
Newberry's twinpod
+newberryi A. Gray var. ***yesicola*** Sivinski [Sivinski 1999]
gyp twinpod
ovalifolia (Rydberg) O'Kane & Al-Shehbaz [M&H; Rollins 1993; W&S]
round-leaf bladderpod
Lesquerella ovalifolia Rydberg
pinetorum (Wooton & Standley) O'Kane & Al-Shehbaz [M&H; Rollins 1993; W&S]
White Mountain bladderpod
Lesquerella pinetorum Wooton & Standley
pruinosa (E.L. Greene) O'Kane & Al-Shehbaz [O'Kane 2000]
Pagosa Springs bladderpod
Lesquerella pruinosa E.L. Greene
purpurea (A. Gray) O'Kane & Al-Shehbaz [M&H; W&S]
purple bladderpod
Lesquerella purpurea (Gray) S. Watson
rectipes (Wooton & Standley) O'Kane & Al-Shehbaz [M&H; Rollins 1993; W&S]
straight bladderpod
Lesquerella rectipes Wooton & Standley
stenophylla (Gray) Rydberg = Physaria fendleri (A. Gray) O'Kane & Al-Shehbaz
valida (E.L. Greene) O'Kane & Al-Shehbaz [M&H; Rollins 1993; W&S]
strong bladderpod
Lesquerella valida Greene
Pleurophragma gracilipes (Robinson) Rydberg = Thelypodium integrifolium (Nuttall ex Torrey & Gray) Endlicher subsp. gracilipes (Robinson) Al-Shehbaz
integrifolium (Nuttall) Rydberg = Thelypodium integrifolium (Nuttall ex Torrey & Gray) Endlicher subsp. integrifolium
Radicula calycina (Engelmann) Greene [=Rorippa calycina (Engelmann) Rydberg] : Reported by W&S, but not known from NM [Stuckey 1972]
hispida (Desvaux) Britton = Rorippa palustris (Linnaeus) Besser var. hispida (Desvaux) Rydberg

nasturtium-aquaticum (Linnaeus) Britton & Rendle = Nasturtium officinale R.Br.
obtusa (Nuttall) Greene [=Rorippa teres (Michaux) Stuckey] : Reported by W&S, but not known from NM [Stuckey 1972]
sinuata (Nuttall) Greene = Rorippa sinuata (Nuttall ex Torrey & Gray) Hitchcock
sinuata (Nuttall) Greene var. *truncata* Jepson = Rorippa curvipes Greene var. truncata (Jepson) Rollins
sphaerocarpa (Gray) Greene = Rorippa sphaerocarpa (Gray) Britton
sylvestris (Linnaeus) Druce [=Rorippa sylvestris (Linnaeus) Besser] : Reported by W&S, but not known from NM [Stuckey 1972].
tenerrima (Greene) Greene = Rorippa tenerrima Greene
terrestris (R. Brown) Wooton & Standley = Rorippa palustris (Linnaeus) Besser var. occidentalis (S. Watson) Rollins

Raphanus radish

raphanastrum Linnaeus : Reported as expected by M&H map; awaits verification.
****sativus*** Linnaeus [M&H; W&S]
radish
tenella Pallas = Chorispora tenella (Pallas) A.P. de Candolle

Rapistrum bastard-cabbage

Allred, K.W. & J. Travis Columbus. 1989. Additions to the flora of New Mexico. Phytologia 67(5):361-365. [*Rapistrum rugosum*]
****rugosum*** (Linnaeus) Allioni subsp. ***rugosum*** [Allred & Columbus 1989]
bastard-cabbage

Rorippa yellow-cress

Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233. [*R. sylvestris*]
Stuckey, R.L. 1972. Taxonomy and distribution of the genus *Rorippa* (Cruciferae) in North America. Sida 4:279-430.
curvipes Greene var. ***curvipes*** [M&H; Rollins 1993]
curved yellow-cress
curvipes Greene var. ***truncata*** (Jepson) Rollins [M&H; W&S]
curved yellow-cress
Radicula sinuata (Nuttall) Greene var. *truncata* Jepson
Rorippa truncata (Jepson) Stuckey
****microphylla*** (Boehmer ex Reichenbach) Hyland ex Löve and Löve [Rollins 1993]
one-row yellow-cress
microtitis (Robinson) Rollins [M&H]
Chihuahuan yellow-cress
Nasturtium microtitis (Robinson) O. E. Schulz
Sisymbrium microtitis Robinson
nasturtium Rusby = Nasturtium officinale R. Brown
nasturtium-aquaticum (Linnaeus) Schinz & Thellung = Nasturtium officinale R.Brown
obtusa (Nuttall ex Torrey & Gray) Britton = Rorippa teres (Michaux) Stuckey var. teres
obtusa (Nuttall) Britton var. *sphaerocarpa* (Gray) Cory = Rorippa sphaerocarpa (Gray) Britton
palustris (Linnaeus) Besser subsp. *glabra* (O.E. Schulz) Stuckey var. glabra = Rorippa palustris (Linnaeus) Besser var. fernaldiana (Butters & Abbe) Stuckey
palustris (Linnaeus) Besser var. ***fernaldiana*** (Butters & Abbe) Stuckey [M&H]
Fernald's yellow-cress
Rorippa palustris (Linnaeus) Besser subsp. *glabra* (O.E. Schulz) Stuckey var. glabra
palustris (Linnaeus) Besser var. ***hispida*** (Desvaux) Rydberg [M&H; Rollins 1993; W&S]
bog yellow-cress
Nasturtium hispidum (Desvaux) A.P. de Candolle
Radicula hispida (Desvaux) Britton
palustris (Linnaeus) Besser var. ***occidentalis*** (S. Watson) Rollins [M&H; Rollins 1993; W&S]
bog yellow-cress
Radicula terrestris (R. Brown) Wooton & Standley
sinuata (Nuttall) A.S. Hitchcock [M&H; W&S]
spreading yellow-cress
Nasturtium sinuatum Nuttall
Nasturtium trachycarpum Gray
Radicula sinuata (Nuttall) Greene
sphaerocarpa (Gray) Britton [M&H; W&S]
round yellow-cress
Nasturtium sphaerocarpum Gray
Radicula sphaerocarpa (Gray) Greene
Rorippa obtusa (Nuttall) Britton var. *sphaerocarpa* (Gray) Cory
****sylvestris*** (Linnaeus) Besser [Hartman et al. 2006]
creeping yellow-cress
tenerrima Greene [M&H]
Modoc yellow-cress
Radicula tenerrima (Greene) Greene
teres (Michaux) Stuckey var. teres : Reported by W&S, but not known from NM (Stuckey 1972)
Rorippa obtusa (Nuttall ex Torrey & Gray) Britton
truncata (Jepson) Stuckey = Rorippa curvipes Greene var. truncata (Jepson) Rollins

Schoenocrambe schoenocrambe

Rollins, R.C. 1982. *Thelypodiopsis* and *Schoenocrambe* (Cruciferae). Contr. Gray Herb. 212:71-102.
Warwick, S.I., A. Al-Shehbaz, R.A. Price, & C. Sauder. 2002. Phylogeny of *Sisymbrium* (Brassicaceae) based on ITS sequences of neclear ribosomal DNA. Can. J. Bot. 80:1002-1017.

linearifolia (Gray) Rollins = Hesperidanthus linearifolius (Gray) Rydberg

linifolia (Nuttall) Greene [M&H; Rollins 1982, 1993; W&S]

schoenocrambe

Sisymbrium linifolium (Nuttall) Nuttall ex Torrey & Gray

Selenia selenia

dissecta Torrey & Gray [M&H; Rollins 1993]

Texas selenia

Sibara rock-cress

Rollins, R.C. 1981. Species of *Draba*, *Lesquerella*, and *Sibara* (Cruciferae). Contr. Gray Herb. 211:107-113.

grisea Rollins [Rollins 1981, 1993]

winged rock-cress

Sinapis charlock

****alba*** Linnaeus [M&H]

white-mustard

Brassica alba (Linnaeus) Boissier

Brassica hirta Moench

****arvensis*** Linnaeus [M&H; W&S]

charlock, corn-mustard

Brassica arvensis (Linnaeus) Britton, Sterns, & Poggenburg

Brassica kaber (A.P. de Candolle) L.C. Wheeler

juncea Linnaeus = Brassica juncea (Linnaeus) Cosson

Sisymbrium hedge-mustard

Warwick, S.I., A. Al-Shehbaz, R.A. Price, & C. Sauder. 2002. Phylogeny of *Sisymbrium* (Brassicaceae) based on ITS sequences of neclear ribosomal DNA. Can. J. Bot. 80:1002-1017.

Warwick, S.I. & I.A. Al-Shehbaz. 2003. Nomenclatural notes on *Sisymbrium* (Brassicaceae). Novon 13:265-267.

****altissimum*** Linnaeus [M&H; W&S]

tall hedge-mustard

Norta altissima (Linnaeus) Britton

aureum (Eastwood) Payson = Thelypodiopsis aurea (Eastwood) Rydberg

brachycarpum Richardson = Descurainia pinnata (Walter) Britton subsp. brachycarpa (Richardson) Detling

diffusum Gray = Halimolobos diffusus (Gray) O.E. Schulz

****irio*** Linnaeus [M&H]

London rocket

Norta irio (Linnaeus) Britton

linearifolium (Gray) Payson = Hesperidanthus linearifolius (Gray) Rydberg

linifolium (Nuttall) Nuttall ex Torrey & Gray = Schoenocrambe linifolia (Nuttall) Greene

****loeselii*** Linnaeus [Allred & Columbus 1989]

false London rocket

microtitis Robinson = Rorippa microtitis (Robinson) Rollins

nasturtium-aquaticum Linnaeus = Nasturtium officinale R. Brown

officinale (Linnaeus) Scopoli var. leiocarpum A.P. de Candolle = Sisymbrium officinale (Linnaeus) Scopoli

****officinale*** (Linnaeus) Scopoli [M&H; W&S]

hedge-mustard

Erysimum officinale Linnaeus

Sisymbrium officinale (Linnaeus) Scopoli var. *leiocarpum* A.P. de Candolle

****orientale*** Linnaeus [Rollins, in Kartesz 1999]

Indian hedge-mustard

vaseyi S. Watson ex Robinson = Thelypodiopsis vaseyi (S. Watson ex Robinson) Rollins

Sophia adenophora Wooton & Standley = Descurainia obtusa (Greene) O.E. Schultz subsp. adenophora (Wooton & Standley) Detling

andrenarum Cockerell *osmiarum* Cockerell = Descurainia pinnata (Walter) Britton subsp. halictorum (Cockerell) Detling

glabra Wooton & Standley = Descurainia pinnata (Walter) Britton subsp. glabra (Wooton & Standley) Detling

halictorum Cockerell = Descurainia pinnata (Walter) Britton subsp. halictorum (Cockerell) Detling

incisa (Engelmann) Greene = Descurainia incisa (Engelmann ex A. Gray) Britton subsp. incisa

ochroleuca Wooton = Descurainia pinnata (Walter) Britton subsp. ochroleuca (Wooton) Detling

obtusa Greene = Descurainia obtusa (Greene) O. E. Schulz subsp. obtusa

procera Greene = Descurainia incana (Bernhardi ex Fischer & Meyer) Dorn

serrata Greene = Descurainia incisa (Engelmann ex A. Gray) Britton subsp. incisa

viscosa Rydberg = Descurainia incisa (Engelmann ex Gray) Britton subsp. viscosa (Rydberg) Rollins

Stanleya prince's-plume

Peterson, R.S. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Stanleya viridiflora*]

albescens M.E. Jones [M&H; W&S]

white prince's-plume

arcuata Rydberg = Stanleya pinnata (Pursh) Britton

pinnata (Pursh) Britton var. ***pinnata*** [M&H; W&S]

prince's-plume
Stanleya arcuata Rydberg
viridiflora Nuttall ex Torrey & Gray [Peterson 2000]
Stanleyella wrightii (Gray) Rydberg = Thelypodium wrightii Gray
Streptanthella fiddle-mustard
longirostris (S. Watson) Rydberg [M&H; W&S]
long-beak fiddle-mustard
Arabis longirostris S. Watson
Euklisia longirostris (S. Watson) Rydberg
Streptanthus longirostris S. Watson
Streptanthus jewel-flower
Kruckenberg, A.R., J.E. Rodman, and R.D. Worthington. 1982. Natural hybridization between *Streptanthus arizonicus* and *S. carinatus* (Cruciferae). Syst. Bot. 7(3):291-299.
Spellenberg, R., R. Worthington, P. Knight, and R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Streptanthus sparsiflorus*]
arizonicus S. Watson = Streptanthus carinatus Wright ex Gray subsp. arizonicus (S. Watson) Kruckeberg, Rodman, & Worthington
carinatus Wright ex Gray subsp. ***arizonicus*** (S. Watson) Kruckeberg, Rodman, & Worthington [Kruckeberg et al. 1982; Rollins 1993]
Arizona jewel-flower
Disaccanthus luteus Greene
Disaccanthus mogollonicus Greene
Streptanthus arizonicus S. Watson
carinatus Wright ex Gray subsp. ***carinatus*** [M&H; W&S]
lyre-leaf jewel-flower
Disaccanthus validus Greene
Euklisia valida (Greene) Wooton & Standley
Streptanthus validus (Greene) Cory
cordatus Nuttall var. ***cordatus*** [M&H; Rollins 1993; W&S]
heart-leaf jewel-flower
Euklisia crassifolia (Greene) Rydberg
Strepthanthus crassifolius Greene
crassifolius Greene = Streptanthus cordatus Nuttall var. cordatus
longifolius Bentham = Pennellia longifolia (Bentham) Rollins
longirostris S. Watson = Streptanthella longirostris (S. Watson) Rydberg
micranthus Gray = Pennellia micrantha (Gray) Nieuwland
sparsiflorus Rollins [Spellenberg et al. 1986]
slight jewel-flower
validus (Greene) Cory = Streptanthus carinatus C. Wright ex A. Gray subsp. carinatus
Thelypodiopsis tumble-mustard
Rollins, R.C. 1982. *Thelypodiopsis* and *Schoenocrambe* (Cruciferae). Contr. Gray Herb. 212:71-102.
Ward, D. & R. Spellenberg. 1981. Noteworthy collections (New Mexico). Madroño 28:185-186. [*Thelypodiopsis purpusii*]
aurea (Eastwood) Rydberg [M&H; Rollins 1982]
Durango tumble-mustard
Sisymbrium aureum (Eastwood) Payson
Thelypodium aureum Eastwood
linearifolia (Gray) Al-Shebaz = Schoenocrambe linearifolia (Gray) Rollins
purpusii (Brandegee) Rollins [M&H; Rollins 1993; W&S; Ward & Spellenberg 1981]
Purpus's tumble-mustard
Thelypodium vernale Wooton & Standley
+vaseyi (S. Watson ex Robinson) Rollins [M&H; Rollins 1982; W&S]
Vasey's tumble-mustard
Sisymbrium vaseyi S. Watson ex Robinson
Thelypodium thelypody
Al-Shehbaz, I.A. 1973. The biosystematics of the genus *Thelypodium* (Cruciferae). Contr. Gray Herb. 204:3-148.
aureum Eastwood = Thelypodiopsis aurea (Eastwood) Rydberg
integrifolium (Nuttall) Endlicher ex Walpers subsp. ***gracilipes*** (Robinson) Al-Shehbaz [Al-Shehbaz 1973; M&H; W&S]
smooth thelypody
Pleurophragma gracilipes (Robinson) Rydberg
Thelypodium integrifolium (Nuttall) Endlicher ex Walpers var. *gracilipes* Robinson
integrifolium (Nuttall) Endlicher ex Walpers var. *gracilipes* Robinson = Thelypodium integrifolium (Nuttall) Endlicher subsp. gracilipes (Robinson) Al-Shehbaz
integrifolium (Nuttall) Endlicher ex Walpers var. integrifolium : Reported by M&H, but not known from NM (Al-Shehbaz 1973).
Pachypodium integrifolium Nuttall
Pleurophragma integrifolium (Nuttall) Rydberg
Thelypodium lilacinum Greene
lilacinum Greene = Thelypodium integrifolium (Nuttall) Endlicher ex Walpers
longifolium (Bentham) S. Watson = Pennellia longifolia (Bentham) Rollins
micranthum (Gray) S. Watson = Pennellia micrantha (Gray) Niewl.
vernale Wooton & Standley = Thelypodiopsis purpusii (Brandegee) Rollins

wrightii Gray [M&H; W&S]
Wright's thelypody
Stanleyella wrightii (Gray) Rydberg

Thlaspi penny-cress
Holmgren, P.K. 1971. A biosystematic study of North American *Thlaspi montanum* and its allies. Mem. N.Y. Bot. Gard. 21:1-106.
Koch, M. & I. Al-Shehbaz. 2004. Taxonomic and phylogenetic evaluation of the American "*Thlaspi*" species: Identity and relationship to the Eurasian genus *Noccaea* (Brassicaceae). Syst. Bot. 29(2):375-384.
alpestre of NM authors = Noccaea fendleri (Gray) Holub subsp. glauca (A. Nelson) Al-Shebaz & M. Koch
alpestre L. var. *glaucum* A. Nelson = Noccaea fendleri (Gray) Holub subsp. glauca (A. Nelson) Al-Shebaz & M. Koch
****arvense*** Linnaeus [M&H]
field penny-cress
campestre Linnaeus = Lepidium campestre (Linnaeus) R. Brown
coloradense Rydberg = Noccaea fendleri (Gray) Holub subsp. glauca (A. Nelson) Al-Shebaz & M. Koch
fendleri Gray = Noccaea fendleri (Gray) Holub
fendleri Gray var. *glaucum* (A. Nelson) C.L. Hitchcock = Noccaea fendleri (Gray) Holub subsp. glauca (A. Nelson) Al-Shebaz & M. Koch
glaucum A. Nelson = Noccaea fendleri (Gray) Holub subsp. glauca (A. Nelson) Al-Shebaz & M. Koch
montanum Linnaeus var. *fendleri* (Gray) Holmgren = Noccaea fendleri (Gray) Holub subsp. fendleri
montanum Linnaeus s.s. : This is a European species perhaps separable from the North American Thlaspi fendleri Gray
purpurascens Rydberg = Noccaea fendleri (Gray) Holub subsp. glauca (A. Nelson) Al-Shebaz & M. Koch

Thysanocarpus fringepod
amplectens Greene = Thysanocarpus curvipes Hooker
curvipes Hooker [M&H; Rollins 1993; W&S]
sand fringepod
Thysanocarpus amplectens Greene

Turritis tower-mustard
glabra Linnaeus [M&H]
tower-mustard
Arabis glabra (Linnaeus) Bernhardi

Vesicaria fendleri Gray = Physaria fendleri (A. Gray) O'Kane & Al-Shehbaz
gordonii Gray = Physaria gordonii (Gray) O'Kane & Al-Shehbaz var. gordonii

Family BUDDLEJACEAE

Buddleja butterfly-bush
Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Buddleja scordioides*]
scordioides Humboldt, Bonpland, & Kunth [Allred 1999]
escobilla

Family CACTACEAE

Anderson, E.F. 2001. The Cactus Family. Timber Press, Portland, Oregon. 776 pp.
Benson, L. 1982. The Cacti of the United States and Canada. Stanford Univ. Press. 1044 p.
Parfitt, B.D. & A.C. Gibson. 2003. Cactaceae, pp. 92-257. IN: Flora of North America, vol. 4. Oxford University Press, New York.
Weniger, D. 1984. Cacti of Texas and neighboring states. University of Texas Press, Austin. 356 pp.

Ancistrocactus uncinatus (Galeotti) L. Benson var. *wrightii* (Engelmann) L. Benson = Glandulicactus uncinatus (Galeotti) Backeberg var. wrightii (Engelmann) Backeberg
Cereus coccineus (Engelmann) Engelmann var. *cylindricus* Engelmann = Echinocereus coccineus Engelmann var. coccineus
coccineus (Engelmann) Engelmann var. *melanacanthus* Engelmann = Echinocereus coccineus Engelmann var. coccineus
conoideus Engelmann & Bigelow = Echinocereus coccineus Engelmann var. coccineus
fendleri Engelmann var. *pauperculus* Engelmann = Echinocereus fasciculatus (Engelmann ex S. Watson) L. Benson
greggii Engelmann = Peniocereus greggii (Engelmann) Britton & Rose
greggii Engelmann var. *transmontanus* Engelmann = Peniocereus greggii (Engelmann) Britton & Rose var. transmontanus (Engelmann) Backeberg
mojavensis Engelmann & Bigelow = Echinocereus triglochidiatus Engelmann
pectinatus Engelmann in Gray var. *rigidissimus* Engelmann = Echinocereus rigidissimus (Engelmann) Rose
Coloradoa mesa-verdae Boissevain & C. Davidson = Sclerocactus mesa-verdae (Boissevain ex Boissevain & C. Davidson) L. Benson

Coryphantha beehive-cactus
Taylor, N.P. 1978. Review of the genus *Escobaria* B. & R. Cactus & Succulent J. of Great Britain 40(2):31-37.
Sivinski, R. and K. Lightfoot, eds. 1994. Inventory of rare and endangered plants of New Mexico. New Mexico Forestry and Resources Conservation Division, Misc. Publ. No. 3. [*Coryphantha scheerii* var. *uncinata*]
Zimmerman, A.D. & B.D. Parfitt. 2003. *Coryphantha*, pp. 220-237. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
arizonica (Engelmann) Britton & Rose = Coryphantha vivipara (Nuttall) Britton & Rose
bisbeeana Orcutt = Coryphantha vivipara (Nuttall) Britton & Rose
organensis D. Zimmerman = Coryphantha sneedii (Britton & Rose) A. Berger
dasyacantha (Engelmann) A. Berger : Reported by M&H & W&S, but both Benson (1982) and Zimmerman & Parfitt (2003) record it only from Texas.
Mammillaria dasyacantha Engelmann
deserti Engelmann [=Coryphantha chlorantha (Engelmann) Britton & Rose] : Reported for NM by Weniger (1984) and Rogers (1953), but Benson (1982) and Zimmerman & Parfitt (2003) exclude it from the state; awaits verification.
duncanii (Hester) L. Benson [M&H; Zimmerman & Parfitt 2003]
Duncan's foxtail-cactus

Escobaria duncanii (Hester) Backeberg

macromeris (Engelmann) Lemaire [M&H; W&S; Zimmerman & Parfitt 2003]

nipple beehive-cactus

Mammillaria macromeris Engelmann

missouriensis (Sweet) Britton & Rose [M&H; Zimmerman & Parfitt 2003]

Missouri foxtail-cactus

Escobaria missouriensis (Sweet) D.R. Hunt

Neobessya missouriensis (Sweet) Britton & Rose

muehlenpfordtii (Poselger) Britton & Rose = Coryphantha robustispina (Schott ex Engelmann) Britton & Rose

robustispina (Schott ex Engelmann) Britton & Rose [M&H; W&S; Zimmerman & Parfitt 2003]

pineapple cactus

Coryphantha muehlenpfordtii (Poselger) Britton & Rose

Coryphantha scheeri (Muehlenpfordt) Lemaire

Coryphantha scheeri (Muehlenpfordt) Lemaire var. *uncinata* L. Benson

Mammillaria scheerii Muehlenpfordt

Mammillaria scheeri Muehlenpfordt var. *valida* Engelmann

scheeri (Muehlenpfordt) Lemaire = Coryphantha robustispina (Schott ex Engelmann) Britton & Rose

scheeri (Muehlenpfordt) Lemaire var. *uncinata* L. Benson = Coryphantha robustispina (Schott ex Engelmann) Britton & Rose

scheeri (Muehlenpfordt) Lemaire var. *valida* (Engelmann) L. Benson = Coryphantha robustispina (Schott ex Engelmann) Britton & Rose

sneedii (Britton & Rose) A. Berger [M&H; Zimmerman & Parfitt 2003]

Sneed's foxtail-cactus

Coryphantha sneedii (Britton & Rose) Berger

Coryphantha sneedii (Britton & Rose) Berger var. *leei* (Bödecker) L. Benson

Coryphantha strobiliformis (Poselger) Orcutt var. *orcuttii* (Rose) L. Benson

Coryphantha organensis D. Zimmerman

Escobaria guadalupensis Brack & Heil

Escobaria leei Rose ex Bödecker

Escobaria orcuttii Boedeker

Escobaria orcuttii (Rose ex Orcutt) Bödeker var. *koenigii* Castetter, Pierce, & Schwerin

Escobaria orcuttii (Rose ex Orcutt) Bödeker var. *macraxina* Castetter, Pierce, & Schwerin

Escobaria sandbergii Castetter, Pierce, & Schwerin

Escobaria sneedii Britton & Rose var. *leei* (Rose ex Boed.) D.R. Hunt

Escobaria sneedii Britton & Rose var. *sneedii*

Escobaria villardii Castetter, Pierce, & Schwerin

Mammillaria leei (Rose ex Bödecker) Rose

strobiliformis of various authors = Coryphantha tuberculosa (Engelmann) A. Berger

strobiliformis (Poselger) Orcutt var. *orcuttii* (Rose) L. Benson = Coryphantha sneedii (Britton & Rose) A. Berger

tuberculosa (Engelmann) A. Berger [M&H; W&S; Zimmerman & Parfitt 2003]

Cob cactus

Coryphantha strobiliformis auct.

Echinocactus strobiliformis auct.

Escobaria strobiliformis auct.

Escobaria tuberculosa (Engelmann) Britton & Rose

Mammillaria tuberculosa Engelmann

vivipara (Nuttall) Britton & Rose [M&H; W&S; Zimmerman & Parfitt 2003]

spinystar

Escobaria vivipara (Nuttall) F. Buxbaum

Escobaria vivipara (Nuttall) F. Buxbaum var. *arizonica* (Engelmann) D.R. Hunt

Escobaria vivipara (Nuttall) F. Buxbaum var. *bisbeeana* (Orcutt) D.R. Hunt

Escobaria vivipara (Nuttall) F. Buxbaum var. *neomexicana* (Engelmann) F. Buxbaum

Escobaria vivipara (Nuttall) F. Buxbaum var. *radiosa* (Engelmann) D.R. Hunt

Coryphantha arizonica (Engelmann) Britton & Rose

Coryphantha bisbeeana Orcutt

Coryphantha vivipara (Nuttall) Britton & Rose var. *arizonica* (Engelmann) W.T. Marshall

Coryphantha vivipara (Nuttall) Britton & Rose var. *bisbeeana* (Orcutt) L. Benson

Coryphantha vivipara (Nuttall) Britton & Rose var. *radiosa* (Engelmann) Backeberg

Mammillaria arizonica Engelmann

Mammillaria neomexicana Engelmann

Mammillaria radiosa Engelmann

Mammillaria vivipara (Nuttall) Haworth var. *neomexicana* (Engelmann) Engelmann

Mammillaria vivipara (Nuttall) Haworth

Cylindropuntia cholla

Pinkava, D.J. 2003. *Cylindropuntia*, pp. 103-118. IN: Flora of North America, vol. 4, pt.1. Oxford University Press, New York.

clavata (Engelmann) F.M. Knuth = Grusonia clavata (Engelmann) H. Robinson

davisii (Engelmann & Bigelow) F.M. Knuth [M&H; Pinkava 2003; W&S]

Davis's cholla

Opuntia davisii Engelmann & Bigelow

Opuntia tunicata (Lehmann) Link & Otto var. *davisii* (Engelmann & Bigelow) L. Benson

fulgida (Engelmann) F.M. Knuth var. mamillata (Schott) Backeberg : Reported by M&H and Benson (1982), but its occurrence in NM questioned by Parfitt (pers.comm. 1999) and restricted to Sonoran Desert by Anderson (2001); awaits verification.
Opuntia fulgida Engelmann var. *mamillata* (Schott) J.M. Coulter

imbricata (Haworth) F.M. Knuth var. ***imbricata*** [M&H; Pinkava 2003; W&S]
cane cholla
Opuntia arborescens Engelmann in Wislizenus
Opuntia imbricata (Haworth) A.P. de Candolle

kleiniae (A.P. de Candolle) F.M. Knuth [M&H; Pinkava 2003; W&S]
Klein's cholla
Opuntia kleiniae A.P. de Candolle

leptocaulis (A.P. de Candolle) F.M. Knuth [M&H; Pinkava 2003; W&S]
desert Christmas cactus
Opuntia leptocaulis A.P. de Candolle

spinosior (Engelmann) F.M. Knuth [M&H; Pinkava 2003; W&S]
walking-stick cholla
Opuntia spinosior (Engelmann) Toumey

×***viridiflora*** (Britton & Rose) F.M. Knuth [Benson 1982; Pinkava 2003]
Santa Fe cholla
Opuntia viridiflora Britton & Rose
Opuntia whipplei Engelmann & Bigelow var. *viridiflora* (Britton & Rose) L. Benson

whipplei (Engelmann & Bigelow) F.M. Knuth [M&H; Pinkava 2003; W&S]
Whipple's cholla
Opuntia whipplei Engelmann & Bigelow

Echinocactus barrel cactus

Hall, H.H. & S. Flowers. 1961. Vascular plants found in the Navajo Reservoir Basin, pp. 47-87. IN: D.M. Pendergast (ed.). Ecological studies of the flora and fauna of Navajo Reservoir Basin, Colorado and New Mexico. Univ. Utah Anthropological Papers, number 55.
Heil, K.D. & J.M. Porter. 1994. *Sclerocactus* (Cactaceae): A revision. Haseltonia 2:20-46.
Zimmerman, A.D. & B.D. Parfitt. 2003. *Echinocactus*, pp. 188-191. IN: Flora of North America, vol. 4, pt.1. Oxford University Press, New York.

dasyacanthus Engelmann = Echinomastus intertextus (Engelmann) Britton & Rose var. dasyacanthus (Engelmann) Backeberg
glaucus K. Schumann [=Sclerocactus glaucus (J.A. Purpus) L. Benson] : Reported by W&S, but not occurring in NM [Benson 1982; Heil & Porter 1994].

horizonthalonius Lemaire [M&H; W&S; Zimmerman & Parfitt 2003]
eagle-claw cactus, blue-barrel

intertextus Engelmann = Echinomastus intertextus (Engelmann) Britton & Rose
mesa-verdae (Boissevain & C. Davidson) L. Benson = Sclerocactus mesa-verdae (Boissevain ex Boissevain & C. Davidson) L. Benson
papyracanthus Engelmann = Sclerocactus papyracanthus (Engelmann) N.P. Taylor
polycephalus Engelmann & J.M. Bi8gelow var. xeranthemoides J.M. Coulter : Reported by Hall & Flowers (1961); needs verification.
strobiliformis auct. non Poselger = Coryphantha tuberculosa (Engelmann) A. Berger

texensis Hopffer [M&H; W&S; Zimmerman & Parfitt 2003]
horse-crippler
Homalocephalus texensis (Hopffer) Britton & Rose

uncinatus Galeotti var. *wrightii* Engelmann = Glandulicactus uncinatus (Galeotti) Backeberg var. wrightii (Engelmann) Backeberg
wislizeni Engelmann = Ferocactus wislizeni (Engelmann) Britton & Rose

Echinocereus hedgehog-cactus

Baker, M.A. 2006. Circumscription of *Echinocereus arizonicus* subsp. *arizonicus*: Phenetic analysis of morphological characters in section *Triglochidiatus* (Cactaceae), part II.
Blum, W., M. Lange, W. Rischer, & J. Rutow. 1998. *Echinocereus*. Fa. Proost. N.V., Turnhout, Belgium. [*Echinocereus arizonicus nigrihorridispinus*]
Castetter, E.F., P. Pierce, and K.H. Schwerin. 1976. A new cactus species and two new varieties from New Mexico. Cactus & Succulent J. 48:77-81. [*Echinocereus kuenzleri*]
Ferguson, D.J. 1989. Revision of the U.S. members of the *Echinocereus triglochidiatus* group. Cactus & Succulent Journal (U.S.) 61:217-224.
Great Plains Flora Association. 1977. Atlas of the Flora of the Great Plains. Iowa State Univ. Press. 600 pp. [*Echinocereus reichenbachii baileyi*]
Powell, A.M., A.D. Zimmerman, & R.A. Hilsenbeck. 1991. Experimental documentation of natural hybridization in Cactaceae: origin of Lloyd's hedgehog cactus, *Echinocereus* x*lloydii*. Pl. Syst. Evol. 178:107-122.
Taylor, N.P. 1985. The genus *Echinocereus*. Timber Press, Portland, Oregon.
Zimmerman, A.D. & B.D. Parfitt. 2003. *Echinocereus*, pp. 157-174. IN: Flora of North America, vol. 4, pt.1. Oxford University Press, New York.

arizonicus Rose ex Orcutt subsp. ***arizonicus*** [Ferguson 1989; Zimmerman & Parfitt 2003]
Arizona hedgehog-cactus
Echinocereus coccineus Engelmann var. *arizonicus* (Rose ex Orcutt) Ferguson
Echinocereus triglochidiatus Engelmann var. *arizonicus* (Rose ex Orcutt) L. Benson

arizonicus Rose ex orcutt subsp. ***nigrihorridispinus*** W. Blum & Rutow [Baker 2006; Blum et al. 1998]
black-spine Arizona hedgehog-cactus

chloranthus Engelmann = Echinocereus viridiflorus Engelmann
chloranthus Engelmann var. *cylindricus* (Engelmann) N.P. Taylor = Echinocereus viridiflorus Engelmann
coccineus Engelmann var. *arizonicus* (Rose ex Orcutt) Ferguson = Echinocereus arizonicus Rose ex Orcutt

coccineus Engelmann [Ferguson 1989; M&H; W&S; Zimmerman & Parfitt 2003]
scarlet hedgehog-cactus
Cereus coccineus (Engelmann) Engelmann var. *cylindricus* Engelmann
Cereus coccineus (Engelmann) Engelmann var. *melanacanthus* Engelmann
Cereus conoideus Engelmann & Bigelow

Echinocereus conoideus (Engelmann & Bigelow) Engelmann
Echinocereus melanacanthus (Engelmann) Engelmann
Echinocereus polyacanthus Engelmann
Echinocereus rosei Wooton & Standley
Echinocereus triglochidiatus Engelmann var. *melanacanthus* (Engelmann) L. Benson
coccineus Engelmann var. *gurneyi* (Benson) Heil & Brack = Echinocereus ×roetteri (Engelmann) Rümpler
conoideus Engelmann = Echinocereus coccineus Engelmann
dasyacanthus Engelmann [M&H; W&S; Zimmerman & Parfitt 2003]
spiny hedgehog-cactus
Echinocereus pectinatus (Schwidweiler) Engelmann var. *dasyacanthus* (Engelmann) N.P. Taylor
dasyacanthus Engelmann in Wislizenus var. *rigidissimus* (Engelmann) W.T. Marshall = Echinocereus rigidissimus (Engelmann) Rose
enneacanthus Engelmann var. brevispinus (W.O. Moore) L. Benson : Erroneously reported for NM by Taylor (1985), citing the Ash Canyon record for Echinocereus enneacanthus Engelmann var. enneacanthus reported by Benson (1982).
enneacanthus Engelmann var. ***enneacanthus*** [Benson 1982]. Note: Reported from Ash Canyon, San Andres Mts, Doña Ana County, but Zimmerman & Parfitt (2003) dispute this; needs verification.
Echinocereus enneacanthus Engelmann var. *dubius* (Engelmann) L. Benson
enneacanthus Engelmann var. *dubius* (Engelmann) L. Benson = Echinocereus enneacanthus Engelmann var. enneacanthus
enneacanthus Engelmann var. *stramineus* (Engelmann) L. Benson = Echinocereus stramineus (Engelmann) F. Seitz
fasciculatus (Engelmann) L. Benson : Not known from NM (Zimmerman & Parfitt 2003); NM records probably pertain to Echinocereus fendleri (Engelmann) Engelmann ex Rümpler
Cereus fendleri Engelmann var. *pauperculus* Engelmann
Echinocereus fendleri (Engelmann) Engelmann ex Rümpler var. *fasciculatus* (Engelmann ex S. Watson) N.P. Taylor
fendleri (Engelmann) Engelmann ex Rümpler var. *fasciculatus* (Engelmann ex S. Watson) N.P. Taylor = Echinocereus fasciculatus (Engelmann ex S. Watson) L. Benson
fendleri (Engelmann) Engelmann ex Rümpler [M&H; Zimmerman & Parfitt 2003]
Fendler's hedgehog-cactus
Echinocereus fendleri (Engelmann) Engelmann ex Rümpler var. *kuenzleri* (Castetter, Pierce & Schwerin) L. Benson
Echinocereus kuenzleri Castetter, Pierce & Schwerin
Echinocereus rectispinus Peebles
fendleri (Engelmann) Engelmann ex Rümpler var. *kuenzleri* (Castetter, Pierce & Schwerin) L. Benson = Echinocereus fendleri (Engelmann) Engelmann ex Rümpler
fendleri (Engelmann) Engelmann ex Rümpler var. *rectispinus* (Peebles) L. Benson = Echinocereus fendleri (Engelmann) Engelmann ex Rümpler
gonacanthus (Engelmann & Bigelow) Engelmann ex Rümpler = Echinocereus triglochidiatus Engelmann
kuenzleri Castetter, Pierce & Schwerin = Echinocereus fendleri (Engelmann) Engelmann ex Rümpler
lloydii Britton & Rose = Echinocereus ×roetteri (Engelmann) Rümpler
melanacanthus Engelmann = Echinocereus coccineus Engelmann
neomexicanus Coulter = Echinocereus ×roetteri (Engelmann) Rümpler
neomexicanus Standley = Echinocereus triglochidiatus Engelmann
paucispinus Engelmann ex Rümpler [=Echinocereus triglochidiatus Engelmann var. paucispinus (Engelmann) Engelmann ex W.T. Marshall] : Reported by W&S, but not by Benson (1982); needs verification].
pectinatus (Schwidweiler) Engelmann var. *dasyacanthus* (Engelmann) N.P. Taylor = *Echinocereus dasyacanthus* Engelmann
pectinatus (Schwidweiler) Engelmann var. *minor* (Engelmann) L. Benson = Echinocereus ×roetteri (Engelmann) Rümpler
pectinatus (Schwidweiler) Engelmann var. *neomexicanus* (Coulter) L. Benson = Echinocereus ×roetteri (Engelmann) Rümpler
pectinatus (Schwidweiler) Engelmann var. *rigidissimus* (Engelmann) Engelmann ex Rümpler = Echinocereus rigidissimus (Engelmann) Rose
polyacanthus Engelmann = Echinocereus coccineus Engelmann
rectispinus Peebles = Echinocereus fendleri (Engelmann) Engelmann ex Rümpleru
reichenbachii (Terscheck ex Walpers) Haage f. [M&H; Zimmerman & Parfitt 2003]
lacy hedgehog-cactus
Echinocereus reichenbachii (Terscheck ex Walpers) Haage f. var. *albospinus* (Lahman) L. Benson
Echinocereus reichenbachii (Terscheck ex Walpers) Haage f. var. *baileyi* (Rose) N.P. Taylor
Echinocereus reichenbachii (Terscheck ex Walpers) Haage f. var. *perbellus* (Britton & Rose) L. Benson
reichenbachii (Terscheck ex Walpers) Haage f. var. *albospinus* (Lahman) L. Benson = Echinocereus reichenbachii (Terscheck ex Walpers) Haage f.
reichenbachii (Terscheck ex Walpers) Haage f. var. *baileyi* (Rose) N.P. Taylor = Echinocereus reichenbachii (Terscheck ex Walpers) Haage f.
reichenbachii (Terscheck ex Walpers) Haage f. var. *perbellus* (Britton & Rose) L. Benson = Echinocereus reichenbachii (Terscheck ex Walpers) Haage f.
rigidissimus (Engelmann) Rose var. ***rigidissimus*** [M&H; W&S; Zimmerman & Parfitt 2003]
stiff-spine hedgehog-cactus
Cereus pectinatus Engelmann in Gray var. *rigidissimus* Engelmann
Echinocereus dasyacanthus Engelmann in Wislizenus var. *rigidissimus* (Engelmann) W.T. Marshall
Echinocereus pectinatus (Schwidweiler) Engelmann var. *rigidissimus* (Engelmann) Engelmann ex Rümpler
rosei Wooton & Standley = Echinocereus coccineus Engelmann
×***roetteri*** (Engelmann) Rümpler [Anderson 2001; M&H; Zimmerman & Parfitt 2003]
Lloyd's hedgehog-cactus
Echinocereus coccineus Engelmann var. *gurneyi* (Benson) Heil & Brack
Echinocereus lloydii Britton & Rose

Echinocereus neomexicanus Coulter
Echinocereus pectinatus (Schwidweiler) Engelmann var. *minor* (Engelmann) L. Benson
Echinocereus pectinatus (Schwidweiler) Engelmann var. *neomexicanus* (Coulter) L. Benson
Echinocereus triglochiadiatus Engelmann var. *gurneyi* Benson

stramineus (Engelmann) F. Seitz [M&H; W&S; Zimmerman & Parfitt 2003]
strawberry hedgehog-cactus
Echinocereus enneacanthus Engelmann var. *stramineus* (Engelmann) L. Benson

triglochidiatus Engelmann var. *arizonicus* (Rose ex Orcutt) L. Benson = Echinocereus arizonicus Rose ex Orcutt
triglochidiatus Engelmann var. *gonacanthus* (Engelmann & Bigelow) Boissevain = Echinocereus triglochidiatus Engelmann
triglochidiatus Engelmann var. *gurneyi* L. Benson = Echinocereus ×*roetteri* (Engelmann) Rümpler
triglochidiatus Engelmann var. *melanacanthus* (Engelmann) L. Benson = Echinocereus coccineus Engelmann
triglochidiatus Engelmann var. *mojavensis* (Engelmann & Bigelow) L. Benson = Echinocereus triglochidiatus Engelmann
triglochidiatus Engelmann var. *neomexicanus* (Standley) Standley ex W.T. Marshall = Echinocereus triglochidiatus Engelmann

triglochidiatus Engelmann [Ferguson 1989; M&H; W&S; Zimmerman & Parfitt 2003]
claret-cup cactus
Cereus gonacanthus Engelmann & Bigelow
Cereus mojavensis Engelmann & Bigelow
Echinocereus neomexicanus Standley
Echinocereus gonacanthus (Engelmann & Bigelow) Engelmann ex Rümpler
Echinocereus triglochidiatus Engelmann var. *gonacanthus* (Engelmann & Bigelow) Boissevain
Echinocereus triglochidiatus Engelmann var. *mojavensis* (Engelmann & Bigelow) L. Benson
Echinocereus triglochidiatus Engelmann var. *neomexicanus* (Standley) Standley ex W.T. Marshall

viridiflorus Engelmann subsp. *chloranthus* (Engelmann) N.P. Taylor = Echinocereus viridiflorus Engelmann
viridiflorus Engelmann subsp. *cylindricus* (Engelmann) N.P. Taylor = Echinocereus viridiflorus Engelmann

viridiflorus Engelmann [M&H; W&S; Zimmerman & Parfitt 2003]
nylon hedgehog-cactus
Echinocereus chloranthus Engelmann
Echinocereus chloranthus Engelmann var. *cylindricus* (Engelmann) N.P. Taylor
Echinocereus viridiflorus Engelmann subsp. *chloranthus* (Engelmann) N.P. Taylor
Echinocereus viridiflorus Engelmann subsp. *cylindricus* (Engelmann) N.P. Taylor

Echinomastus early-bloomer
Zimmerman, A.D. & B.D. Parfitt. 2003. *Echinomastus*, pp. 192-196. IN: Flora of North America, vol. 4, pt.1. Oxford University Press, New York.

dasyacanthus (Engelmann) Britton & Rose = Echinomastus intertextus (Engelmann) Britton & Rose var. dasyacanthus (Engelmann) Backeberg

intertextus (Engelmann) Britton & Rose var. ***dasyacanthus*** (Engelmann) Backeberg [M&H; W&S; Zimmerman & Parfitt 2003]
early-bloomer
Echinocactus dasyacanthus Engelmann
Echinomastus dasyacanthus (Engelmann) Britton & Rose
Neolloydia intertexta (Engelmann) L. Benson
Neolloydia intertexta (Engelmann) L. Benson var. *dasyacantha* (Engelmann) L. Benson

intertextus (Engelmann) Britton & Rose var. ***intertextus*** [M&H; W&S; Zimmerman & Parfitt 2003]
early-bloomer
Echinocactus intertextus Engelmann
Neolloydia *intertexta* (Engelmann) L. Benson var. *intertexta*

Epithelantha ball-cactus
Zimmerman, A.D. & B.D. Parfitt. 2003. *Epithelantha*, pp. 239-240. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

micromeris (Engelmann) Weber ex Britton & Rose var. ***micromeris*** [M&H; W&S; Zimmerman & Parfitt 2003]
ping-pong-ball cactus
Mammillaria micromeris Engelmann

Escobaria dasyacantha (Engelmann) Britton & Rose = Coyphantha dasyacantha (Engelmann) A. Berger
duncanii (Hester) Backeberg = Coryphantha duncanii (Hester) L. Benson
guadalupensis Brack & Heil = Coryphantha sneedii (Britton & Rose) A. Berger
leei Rose ex Bodecker = Coryphantha sneedii (Britton & Rose) Berger
missouriensis (Sweet) D.R. Hunt = Coryphantha missouriensis (Sweet) Britton & Rose
orcuttii (Rose ex Orcutt) Bödeker var. *koenigii* Castetter, Pierce, & Schwerin = Coryphantha sneedii (Britton & Rose) A. Berger
orcuttii (Rose ex Orcutt) Bödeker var. *macraxina* Castetter, Pierce, & Schwerin = Coryphantha sneedii (Britton & Rose) A. Berger
orcuttii (Rose ex Orcutt) Bödeker = Coryphantha sneedii (Britton & Rose) A. Berger
organensis (D. Zimmerman) Castetter, Pierce, & Schwerin = Coryphantha sneedii (Britton & Rose) A. Berger
sandbergii Castetter, Pierce, & Schwerin = Coryphantha sneedii (Britton & Rose) A. Berger
sneedii Britton & Rose var. *leei* (Rose ex Bödecker) D.R. Hunt = Coryphantha sneedii (Britton & Rose) A. Berger
sneedii Britton & Rose var. *sneedii* = Coryphantha sneedii (Britton & Rose) A. Berger
strobiliformis (Poselger) Scheere ex Bödeker : The type of this taxon belongs to Escobaria chihuahuensis Britton & Rose, not known from NM; our plants belong to Coryphantha tuberculosa (Engelmann) A. Berger
tuberculosa (Engelmann) Britton & Rose = Coryphantha tuberculosa (Engelmann) A. Berger
villardii Castetter, Pierce, & Schwerin = Coryphantha sneedii (Britton & Rose) A. Berger
vivipara (Nuttall) F. Buxbaum var. *arizonica* (Engelmann) D.R. Hunt = Coryphantha vivipara (Nuttall) Britton & Rose
vivipara (Nuttall) F. Buxbaum var. *bisbeeana* (Orcutt) D.R. Hunt = Coryphantha vivipara (Nuttall) Britton & Rose
vivipara (Nuttall) F. Buxbaum var. *radiosa* (Engelmann) D.R. Hunt = Coryphantha vivipara (Nuttall) Britton & Rose

vivipara (Nuttall) F. Buxbaum var. *neomexicana* (Engelmann) F. Buxbaum = Coryphantha vivipara (Nuttall) Britton & Rose
vivipara (Nuttall) F. Buxbaum = Coryphantha vivipara (Nuttall) Britton & Rose

Ferocactus barrel-cactus

Zimmerman, A.D. & B.D. Parfitt. 2003. *Ferocactus*, pp. 243-247. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

hamatacanthus (Muehlenpfordt) Britt & Rose var. ***hamatacanthus*** [Benson 1982; M&H; Zimmerman & Parfitt 2003]
turk's head

wislizeni (Engelmann) Britton & Rose [Benson 1982; M&H; W&S; Zimmerman & Parfitt 2003]
fish-hook barrel-cactus
Echinocactus wislizeni Engelmann

Glandulicactus fish-hook cactus

Zimmerman, A.D. & B.D. Parfitt. 2003. *Glandulicactus*, pp. 207-208. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

uncinatus (Galeotti) Backeberg var. ***wrightii*** (Engelmann) Backeberg [M&H; W&S; Zimmerman & Parfitt 2003]
Chihuahuan fish-hook cactus
Ancistrocactus uncinatus (Galeotti) L. Benson var. ***wrightii*** (Engelmann) L. Benson
Echinocactus uncinatus Galeotti var. *wrightii* Engelmann
Sclerocactus uncinatus (Galeotti) N.P. Taylor subsp. *wrightii* (Engelmann) N.P. Taylor
Thelocactus uncinatus (Galeotti) Marshall var. *wrightii* (Engelmann) Marshall

Grusonia club-cholla

Pinkava, D.J. 2003. *Grusonia*, pp. 118-123. IN: Flora of North America, vol. 4, pt.1. Oxford University Press, New York.

+clavata (Engelmann) H. Robinson [M&H; W&S]
club-cholla
Cylindropuntia clavata (Engelmann) F.M Knuth
Opuntia clavata Engelmann

emoryi (Engelmann) Pinkava [M&H; W&S]
Emory's club-cholla
Opuntia emoryi Engelmann
Opuntia stanlyi Engelmann ex B.D. Jackson

grahamii (Engelmann) H. Robinson [M&H; W&S]
Graham's club-cholla
Opuntia densispina Ralston & Hilsenbeck
Opuntia grahamii Engelmann
Opuntia schottii Engelmann var. *grahamii* (Engelmann) L. Benson

Homalocephalus texensis (Hopffer) Britton & Rose = Echinocactus texensis Hopffer

Mammillaria nipple-cactus

Hunt, D.R. 1971. Schumann and Buxbaum reconciled. The Schumann system of *Mammillaria* classification brought provisionally up-to-date. Cact. Succ. J. Gr. Brit. 33:53-72.

Taylor, N.P. 1978. Review of the genus *Escobaria* B. & R. Cactus & Succulent J. of Great Britain 40(2):31-37.

Zimmerman, A.D. & B.D. Parfitt. 2003. *Mammillaria*, pp. 247-257. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

applanata Engelmann = Mammillaria heyderi Muehlenpfordt var. heyderi
arizonica Engelmann = Coryphantha vivipara (Nuttall) Britton & Rose

barbata Engelmann [M&H; Zimmerman & Parfitt 2003]
nipple-cactus
Mammillaria chavezei Cowper
Mammillaria orestera L. Benson
Mammillaria viridiflora (Britton & Rose) Bödeker

chavezei Cowper = Mammillaria barbata Engelmann
dasyacantha Engelmann = Coryphantha dasyacantha (Engelmann) Orcutt

grahamii Engelmann [M&H; W&S; Zimmerman & Parfitt 2003]
Graham's nipple-cactus

gummifera Engelmann var. *applanata* (Engelmann) L. Benson = Mammillaria heyderi Muehlenpfordt var. heyderi
gummifera Engelmann var. *meiacantha* (Engelmann) L. Benson = Mammillaria meiacantha Engelmann

heyderi Muehlenpfordt var. ***heyderi*** [M&H; W&S; Zimmerman & Parfitt 2003]
Heyder's nipple-cactus
Mammillaria applanata Engelmann
Mammillaria gummifera Engelmann var. *applanata* (Engelmann) L. Benson

heyderi Muehlenpfordt var. ***bullingtoniana*** Castetter, P. Pierce & K.H. Schwerin [Zimmerman & Parfitt 2003]
cream nipple-cactus

heyderi Muehlenpfordt var. macdougalii (Rose) L. Benson [=Mammillaria macdougalii Rose] : Known only from near Tucson, Arizona; NM reports refer to Mammillaria heyderi Muehlenpfordt var. bullingtoniana Castetter, P. Pierce & K.H. Schwerin

heyderi Muehlenpfordt var. *meiacantha* (Engelmann) L. Benson = Mammillaria meiacantha Engelmann

lasiacantha Engelmann [M&H; W&S; Zimmerman & Parfitt 2003]
lacy-spine nipple-cactus
Mammillaria lasiacantha Engelmann var. *denudata* Engelmann

lasiacantha Engelmann var. *denudata* Engelmann = Mammillaria lasiacantha Engelmann
leei (Boedeker) Rose = Coryphantha sneedii (Britton & Rose) A. Berger
macromeris Engelmann = Coryphantha macromeris (Engelmann) Britton & Rose

meiacantha Engelmann [M&H; W&S; Zimmerman & Parfitt 2003]

little nipple-cactus

Mammillaria gummifera Engelmann var. *meiacantha* (Engelmann) L. Benson

Mammillaria heyderi Muehlenpfordt var. *meiacantha* (Engelmann) L. Benson

Mammillaria melanocentra Poselger var. *meiacantha* (Engelmann) Craig

melanocentra Poselger var. *meiacantha* (Engelmann) Craig = Mammillaria meiacantha Engelmann

micromeris Engelmann = Epithelantha micromeris (Engelmann) Weber ex Britton & Rose

neomexicana Engelmann = Escobaria vivipara (Nuttall) F. Buxbaum

orestera Benson = Mammillaria barbata Engelmann

radiosa Engelmann = Escobaria vivipara (Nuttall) F. Buxbaum

scheerii Muehlenpfordt = Coryphantha robustispina (Schott ex Engelmann) Britton & Rose

scheerii Muehlenpfordt var *valida* Engelmann = Coryphantha robustispina (Schott ex Engelmann) Britton & Rose

tuberculosa Engelmann = Coryphantha tuberculosa (Engelmann) A. Berger

viridiflora (Britton & Rose) Bödeker = Mammillaria barbata Engelmann

vivipara (Nuttall) Haworth = Coryphantha vivipara (Nuttall) Britton & Rose

vivipara (Nuttall) Haworth var. *neomexicana* (Engelmann) Engelmann = Coryphantha vivipara (Nuttall) Britton & Rose

wrightii Engelmann var. ***wilcoxii*** (Toumey ex Schumann) Marshall [Benson 1982; Zimmerman & Parfitt 2003]

Wilcox's nipple-cactus

wrightii Engelmann var. ***wrightii*** [Benson 1982; M&H; W&S; Zimmerman & Parfitt 2003]

Wright's nipple-cactus

Neobessya missouriensis (Sweet) Britton & Rose = Escobaria missouriensis (Sweet) D.R. Hunt

Neolloydia intertexta (Engelmann) L. Benson var. *dasyacantha* (Engelmann) L. Benson = Echinomastus intertextus (Engelmann) Britton & Rose var. dasyacantha (Engelmann) Backeberg

intertexta (Engelmann) L. Benson = Echinomastus intertextus (Engelmann) Britton & Rose var. intertextus

Opuntia prickly-pear

Denham, R.A. 1996. New plant distribution records. The New Mexico Botanist 4:6. [*Opuntia chihuahuaensis*]

Ferguson, D.J. 1987. *Opuntia cymochila* Eng. & Bigelow: A species lost in the shuffle. Cactus & Succulent J. (U.S.) 59:256-260.

Ferguson, D.J. 1988. *Opuntia macrocentra* Eng. and *Opuntia chlorotica* Eng. & Big. Cactus and Succulent Journal (U.S.) 60(3):155-160.

Grant, V. & K.A. Grant. 1979. Systematics of the *Opuntia phaeacantha* group in Texas. Bot. Gaz (Crawfordsville) 140:199-207.

Leuenberger, B.E. 1971. Interpretation and typification of *Cactus ficus-indica* Linnaeus and *Opuntia ficus-indica* (Linnaeus) Miller (Cactaceae). Taxon 40:621-627.

Parfitt, B.D. 1998. New nomenclatural combinations in the *Opuntia polyacantha* complex. Cactus & Succulent J. (U.S.) 70(4):188.

Parfitt, B.D. and D.J. Pinkava. 1988. Nomenclatural and systematic reassessment of *Opuntia engelmannii* and *O. lindheimeri* (Cactaceae). Madroño 35(4):342-349.

Pinkava, D.J. 2003. *Opuntia*, pp. 123-148. IN: Flora of North America, vol. 4, pt.1. Oxford University Press, New York.

Pinkava, D.J. and B.D. Parfitt. 1988. Nomenclatural changes in Chihuahuan Desert *Opuntia* (Cactaceae). Sida 13(2):125-130.

Sivinski, R. and K. Lightfoot, eds. 1994. Inventory of rare and endangered plants of New Mexico. New Mexico Forestry and Resources Conservation Division, Misc. Publ. No. 3. [*Opuntia valida*]

arborescens Engelmann in Wislizenus = Cylindropuntia imbricata (Haworth) F.M. Knuth

arenaria Engelmann = Opunita polyacantha Haworth var. arenaria (Engelmann) Parfitt

brachyarthra Engelmann & Bigelow = Opuntia fragilis Nuttall

camanchica Engelmann & Bigelow = Opuntia phaeacantha Engelmann

chihuahuensis Rose = Opuntia camanchica Engelmann & Bigelow

chlorotica Engelmann & Bigelow [M&H; W&S]

clock-face prickly-pear

chlorotica Engelmann & Bigelow var. *santa-rita* Griffiths & Hare = Opuntia santa-rita (Griffiths & Hare) Rose

clavata Engelmann = Grusonia clavata (Engelmann) H. Robinson

confusa Griffiths : D. Ferguson (pers. comm. 1999) reports that there are populations corresponding to this taxon in Doña Ana Co.; awaits verification and documentation.

cyclodes (Engelmann & Bigelow) Rose = Opuntia phaeacantha Engelmann

cymochila Engelmann & Bigelow = Opuntia tortispina Engelmann & J.M. Bigelow

cymochila Engelmann var. *montana* Engelmann & Bigelow = Opuntia pottsii Salm-Dyck

davisii Engelmann & Bigelow = Cylindropuntia davisii (Engelmann & Bigelow) F.M. Knuth

densispina Ralston & Hilsenbeck = Grusonia grahamii (Engelmann) H. Robinson

dillei Griffiths = Opuntia engelmannii Salm-Dyck ex Engelmann

discata Griffiths = Opuntia engelmannii Salm-Dyck ex Engelmann

dulcis Engelmann = Opuntia phaeacantha Engelmann

emoryi Engelmann = Grusonia emoryi (Engelmann) Pinkava

engelmannii Salm-Dyck ex Engelmann var. ***engelmannii*** [M&H; W&S]

Engelmann's prickly-pear, cactus-apple

Opuntia discata Griffiths

Opuntia dillei Griffiths

Opuntia microcarpa Engelmann ex B.D. Jackson

Opuntia phaeacantha Engelmann var. *discata* (Griffiths) Benson

Opuntia riparia Griffiths

Opuntia tardospina Griffiths

Opuntia valida Griffiths

engelmannii Salm-Dyck ex Engelmann var. ***lindheimeri*** (Engelmann) Parfitt & Pinkava [Benson 1982; M&H; W&S] Note: Perhaps only known as a rare escape in NM.

Engelmann's prickly-pear

Opuntia lindheimeri Engelmann

erinacea Engelmann & Bigelow ex Engelmann = Opuntia polyacantha Haworth var. erinacea (Engelmann & Bigelow) Parfitt

erinacea Engelmann & Bigelow ex Engelmann var. *hystricina* (Engelmann & Bigelow) L. Benson = Opuntia polyacantha Haworth var. hystricina (Engelmann & Bigelow) Parfitt

erinacea Engelmann & Bigelow var. utahensis (Engelmann) L. Benson : Reported by Benson (1982) and M&H, but not known to occur in NM (Ferguson, pers. comm. 1997; Parfitt, pers. comm. 1999)

Opuntia sphaerocarpa Engelmann & Bigelow var. *utahensis* Engelmann

***ficus-indica** (Linnaeus) Miller [Benson 1982]. Note: Benson (1982) cites one specimen from southern NM, but Ferguson (pers. comm. 1994) and Parfitt (pers. comm. 1999) maintain that this species is not known outside of cultivation in NM; perhaps warrants verification.

Indian-fig

filipendula Engelmann = *Opuntia pottsii* Salm-Dyck

fragilis Nuttall var. *brachyarthra* (Engelmann & Bigelow) Coulter = Opuntia fragilis Nuttall

fragilis Nuttall [Benson 1982; M&H; W&S]

pygmy prickly-pear

Opuntia brachyarthra Engelmann & Bigelow

Opuntia fragilis Nuttall var. *brachyarthra* (Engelmann & Bigelow) Coulter

fulgida Engelmann var. *mamillata* (Schott) Coulter = Cylindropuntia fulgida (Engelmann) F.M. Knuth

grahamii Engelmann = Grusonia grahamii (Engelmann) H. Robinson

×*gilvescens* Griffiths (a hybrid of various phases of Opuntia phaeacantha) = Opuntia phaeacantha Engelmann

gregoriana Griffiths = Opuntia phaeacantha Engelmann

hystricina Engelmann & Bigelow = Opuntia polyacantha Haworth var. hystricina (Engelmann & Bigelow) Parfitt

imbricata (Haworth) A.P. de Candolle = Cylindropuntia imbricata (Haworth) F.M. Knuth

kleiniae A.P. de Candolle = Cylindropuntia kleiniae (A.P. de Candolle) F.M. Knuth

kunzei Rose : Not occurring in NM; plants referred to this by M&H and W&S belong to Grusonia emoryi (Engelmann) Pinkava (Parfitt, pers. comm. 1999)

leptocaulis A.P. de Candolle = Cylindropuntia leptocaulis (A.P. de Candolle) F.M. Knuth

lindheimeri Engelmann = Opuntia englemannii Salm-Dyck ex Engelmann var. lindheimeri (Engelmann) Parfitt & Pinkava

mackensenii Rose = Opuntia tirtuspina Engelmann & J.M. Bigelow

macrocentra Engelmann [M&H; W&S]

purple prickly-pear

Opuntia violacea Engelmann ex B.D. Jackson

Opuntia violacea Engelmann var. *castetteri* L. Benson

Opuntia violacea Engelmann var. *macrocentra* (Engelmann) L. Benson

macrorhiza Engelmann [M&H; W&S]

western prickly-pear

Opuntia plumbea Rose

Opuntia stenochila Engelmann

macrorhiza Engelmann var. *pottsii* (Salm-Dyck) L. Benson = *Opuntia pottsii* Salm-Dyck

microcarpa Engelmann ex B.D. Jackson = Opuntia engelmannii Salm-Dyck ex Engelmann

phaeacantha Engelmann var. *camanchica* (Engelmann & Bigelow) L. Benson = Opuntia camanchica Engelmann & Bigelow

phaeacantha Engelmann var. *discata* Engelmann = Opuntia engelmannii Salm-Dyck ex Engelmann

phaeacantha Engelmann var. *major* Engelmann = Opuntia phaeacantha Engelmann

phaeacantha Engelmann [M&H; W&S]

plains prickly-pear

Opuntia camanchica Engelmann & Bigelow

Opuntia chihuahuensis Rose

Opuntia cyclodes (Engelmann & Bigelow) Rose

Opuntia dulcis Engelmann

Opuntia gilvescens Griffiths

Opuntia gregoriana Griffiths

Opuntia phaeacantha Engelmann var. *camanchica* (Engelmann & Bigelow) L. Benson

Opuntia phaeacantha Engelmann var. *major* Engelmann

Opuntia phaeacantha Engelmann var. *wootonii* (Griffiths) L. Benson

Opuntia toumeyi Rose

Opuntia zuniensis Griffiths

Opuntia wootonii Griffiths

phaeacantha Engelmann var. *wootonii* (Griffiths) L. Benson = Opuntia wootonii Griffiths

plumbea Rose = Opuntia macrorhiza Engelmann

polyacantha Haworth var. ***arenaria*** (Engelmann) Parfitt [M&H; W&S]

starvation prickly-pear

Opuntia arenaria Engelmann

polyacantha Haworth var. erinacea (Engelmann & Bigelow) Parfitt : Reported by Benson (1982) and M&H, but known from western Arizona and Utah and westward (Pinkava 2003).

Opuntia erinacea Engelmann & Bigelow

polyacantha Haworth var. ***hystricina*** (Engelmann & Bigelow) Parfitt [M&H; W&S]

starvation prickly-pear

Opuntia erinacea Engelmann & Bigelow ex Engelmann var. *hystricina* (Engelmann& Bigelow) L. Benson

Opuntia hystricina Engelmann & Bigelow

polyacantha Haworth var. *juniperina* (Engelmann) L. Benson = Opuntia polyacantha Hawarth var. polyacantha

polyacantha Haworth var. ***polyacantha*** [M&H; W&S]
starvation prickly-pear
Opuntia polyacantha Haworth var. *juniperina* (Engelmann) L. Benson
Opuntia *polyacantha* Haworth var. *rufispina* (Engelmann & Bigelow ex Engelmann) L. Benson
Opuntia polyacantha Haworth var. *schweriniana* (K. Schumann) Backeberg
Opuntia polyacantha Haworth var. *trichophora* (Engelmann & Bigelow) Coulter
Opuntia sphaerocarpa Engelmann & Bigelow
Opuntia trichophora Britton & Rose
polyacantha Haworth var. *schweriniana* (K. Schumann) Backeberg = Opuntia polyacantha Hawarth var. polyacantha
polyacantha Haworth var. *rufispina* (Engelmann & Bigelow ex Engelmann) L. Benson = Opuntia polyacantha Hawarth var. polyacantha
polyacantha Haworth var. *trichophora* (Engelmann & Bigelow) Coulter = Opuntia polyacantha Hawarth var. polyacantha
pottsii Salm-Dyck [M&H; W&S]
Potts's prickly-pear
Opuntia *cymochila* Engelmann var. *montana* Engelmann & Bigelow
Opuntia filipendula Engelmann
Opuntia macrorhiza Engelmann var. *pottsii* (Salm-Dyck) L. Benson
Opuntia pottsii Salm-Dyck var. *montana* (Engelmann & Bigelow) Bulot
Opuntia tenuispina Engelmann
pottsii Salm-Dyck var. *montana* (Engelmann & Bigelow) Bulot = Opuntia pottsii Salm-Dyck
riparia Griffiths = Opuntia engelmannii Salm-Dyck ex Engelmann var. engelmannii
santa-rita (Griffiths & Hare) Rose : Reported by M&H and W&S, but Pinkava (2003) questions its occurrence in NM, referring material to Opuntia macrocentra Engelmann; requires verification.
Opuntia chlorotica Engelmann & Bigelow var. ***santa-rita*** Griffiths & Hare
Opuntia violacea Engelmann var. *santa-rita* (Griffiths & Hare) L. Benson
schottii Engelmann var. *grahamii* (Engelmann) L. Benson = Grusonia grahamii (Engelmann) H. Robinson
sphaerocarpa Engelmann & Bigelow = Opuntia polyacantha Haworth var. polyacantha
sphaerocarpa Engelmann & Bigelow var. *utahensis* Engelmann = Opuntia erinacea Engelmann & Bigelow var. utahensis (Engelmann) L. Benson
spinosior (Engelmann) Toumey = Cylindropuntia spinosior (Engelmann) F.M. Knuth
stanlyi Engelmann ex B.D. Jackson = Grusonia emoryi (Engelmann) Pinkava
stenochila Engelmann = Opuntia macrorhiza Engelmann
tardospina Griffiths = Opuntia engelmannii Salm-Dyck ex Engelmann var. engelmannii
tenuispina Engelmann = *Opuntia pottsii* Salm-Dyck
tortispina Engelmann & Bigelow [Ferguson 1987; Pinkava 2003; W&S]
twisted-spine prickly-pear
Opuntia cymochila Engelmann & J.M. Bigelow
Opuntia mackensenii Rose
toumeyi Rose = Opuntia phaeacantha Engelmann
trichophora Britton & Rose = Opuntia *polyacantha* Haworth var. polyacantha
tunicata (Lehmann) Link & Otto var. *davisii* (Engelmann & Bigelow) L. Benson = Cylindropuntia davisii (Engelmann & Bigelow) F.M. Knuth
valida Griffiths = Opuntia engelmannii Salm-Dyck ex Engelmann
versicolor Engelmann ex Coulter = Cylindropuntia versicolor (Engelmann ex Coulter) Knuth
violacea Engelmann ex B.D. Jackson = Opuntia macrocentra Engelmann
violacea Engelmann var. *castetteri* L. Benson = Opuntia macrocentra Engelmann
violacea Engelmann var. *macrocentra* (Engelmann) L. Benson = Opuntia macrocentra Engelmann
violacea Engelmann var. *santa-rita* (Griffiths & Hare) L. Benson = Opuntia santa-rita (Griffiths & Hare) Rose
viridiflora Britton & Rose = Cylindropuntia viridiflora (Britton & Rose) F.M. Knuth
whipplei Engelmann & Bigelow var. *viridiflora* (Britton & Rose) L. Benson = Cylindropuntia viridiflora (Britton & Rose) F.M. Knuth
whipplei Engelmann & Bigelow var. *whipplei* = Cylindropuntia whipplei (Engelmann & Bigelow) F.M. Knuth
wootonii Griffiths = Opuntia phaeacantha Engelmann
zuniensis Griffiths = Opuntia phaeacantha Engelmann

Pediocactus pincushion-cactus

Heil, K., B. Armstrong, & D. Schleser. 1981. A review of the genus *Pediocactus*. Cactus & Succulent J. (U.S.A.) 53:17-39.
Heil, K.D. & J.M. Porter. 2003. *Pediocactus*, pp. 211-216. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

knowltonii L. Benson [Heil & Porter 2003; M&H]
Knowlton's pincushion-cactus
papyracanthus (Engelmann) L. Benson = Sclerocactus papyracanthus (Engelmann) N.P. Taylor
knowltonii L. Benson var. *papyracanthus* (Engelmann) L. Benson = Sclerocactus papyracanthus (Engelmann) N.P. Taylor
simpsonii (Engelmann) Britton & Rose var. *minor* (Engelmann) Cockerell = Pediocactus simpsonii (Engelmann) Britton & Rose
simpsonii (Engelmann) Britton & Rose [Heil & Porter 2003; M&H]
snowball cactus
Echinocactus simpsonii Engelmann var. *minor* Engelmann

Peniocereus cereus

greggii (Engelmann) Britton & Rose var. ***greggii*** [M&H; W&S]
night-blooming cereus
Cereus greggii Engelmann
Cereus greggii Engelmann var. *transmontanus* Engelmann

greggii (Engelmann) Britton & Rose var. transmontanus (Engelmann) Backeberg : Reported by M&H as probably occurring in Hidalgo County; awaits verification.

Sclerocactus fish-hook cactus

Castetter, E.F., P. Pierce, and K.H. Schwerin. 1976. A new cactus species and two new varieties from New Mexico. Cactus & Succulent J. 48:77-81. [*Sclerocactus whipplei* var. *heilii* and var. *reevesii*]

Heil, K.D. & J.M. Porter. 1994. *Sclerocactus* (Cactaceae): A revision. Haseltonia 2:20-46.

Heil, K.D. & J.M. Porter. 2003. *Sclerocactus*, pp. 197-207. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

Sivinski, R. & K. Lightfoot. 1994. Status summary for the grama grass cactus (*Toumeya papyracantha*). U.S. Fish and Wildlife Service, Albuquerque, NM.

+cloveriae Heil & Porter subsp. ***brackii*** Heil & Porter [Heil & Porter 1994]
Brack's fish-hook cactus

cloveriae Heil & Porter subsp. ***cloveriae*** [Castetter et al. 1976; Heil & Porter 1994; M&H]
New Mexico fish-hook cactus
Sclerocactus whipplei (Engelmann & Bigelow) Britton & Rose var. *heilii* Castetter, Pierce & Schwerin
Sclerocactus whipplei (Engelmann & Bigelow) Britton & Rose var. *reevesii* Castetter, Pierce & Schwerin

intermedius Peebles = Sclerocactus parviflorus Clover & Jotter subsp. intermedius (Peebles) Heil & Porter

mesa-verdae (Boissevain & C. Davidson) L. Benson [Heil & Porter 1994; M&H]
Mesa Verde fish-hook cactus
Coloradoa mesa-verdae Boissevain & C. Davidson
Echinocactus mesa-verdae (Boissevain & C. Davidson) L. Benson

papyracanthus (Engelmann) N.P. Taylor [M&H; Sivinski & Lightfoot 1994; W&S]
paper-spine fish-hook cactus
Echinocactus papyracanthus Engelmann
Pediocactus knowltonii L. Benson var. *papyracanthus* (Engelmann) L. Benson
Pediocactus papryacanthus (Engelmann) L.D. Benson
Toumeya papyracantha (Engelmann) Britton & Rose

parviflorus Clover & Jotter var. *intermedius* (Peebles) Woodruff & Benson = Sclerocactus parviflorus Clover & Jotter subsp. intermedius (Peebles) Heil & Porter

parviflorus Clover & Jotter subsp. ***intermedius*** (Peebles) Heil & Porter [Heil & Porter 1994; M&H]
small-flower fish-hook cactus
Sclerocactus intermedius Peebles
Sclerocactus parviflorus Clover & Jotter var. *intermedius* (Peebles) Woodruff & Benson
Sclerocactus whipplei (Engelmann & Bigelow) Britton & Rose var. *intermedius* (Peebles) L. Benson

uncinatus (Galeotti) N.P. Taylor subsp. *wrightii* (Engelmann) N.P. Taylor = Glandulicactus uncinatus (Galeotti) Backeberg var. wrightii (Engelmann) Backeberg

whipplei (Engelmann & Bigelow) Britton & Rose var. *heilii* Castetter, Pierce & Schwerin = Sclerocactus cloveriae Heil & Porter subsp. cloveriae

whipplei (Engelmann & Bigelow) Britton & Rose var. *intermedius* (Peebles) L. Benson = Sclerocactus parviflorus Clover & Jotter subsp. intermedius (Peebles) Heil & Porter

whipplei (Engelmann & Bigelow) Britton & Rose var. *reevesii* Castetter, Pierce & Schwerin = Sclerocactus cloveriae Heil & Porter subsp. cloveriae

whipplei (Engelmann & Bigelow) Britton & Rose var. roseus (Clover) L. Benson [=Sclerocactus parviflorus Clover & Jotter subsp. parviflorus] : Reported by M&H, but not yet known in NM (Benson 1982; Heil & Porter 1994).

Thelocactus uncinatus (Galeotti) L. Benson var. *wrightii* (Engelmann) L. Benson = *Glandulicactus uncinatus* (Galeotti) Backeberg var. *wrightii* (Engelmann) Backeberg

Toumeya papyracantha (Engelmann) Britton & Rose = Sclerocactus papyracanthus (Engelmann) N.P. Taylor

Family CAESALPINIACEAE = FABACEAE

Family CALLITRICHACEAE

Ricketson, J. 1995. Callitrichaceae. J. Ariz.-Nev. Acad. Sci. 29(1):15-16.

Callitriche water-starwort

autumnalis Linnaeus = Callitriche hermaphroditica Linnaeus

hermaphroditica Linnaeus
autumn water-starwort
Callitriche autumnalis Linnaeus

heterophylla Pursh
greater water-starwort

palustris Linnaeus
vernal water-starwort
Callitriche verna Linnaeus

verna Linnaeus = Callitriche palustris Linnaeus

Family CAMPANULACEAE

[Lobeliaceae]

Campanula bellflower

Great Plains Flora Association. 1977. Atlas of the Flora of the Great Plains. Iowa State Univ. Press. 600 pp. [*Campanula rapunculoides*]

Peterson, R.S. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Campanula rapunculoides*]

parryi Gray [M&H; W&S]

Parry's bellflower
petiolata A. A.P. de Candolle = Campanula rotundifolia Linnaeus
rapunculoides Linnaeus [Great Plains Flora Association 1977; Peterson 2000]
creeping bellflower
rotundifolia Linnaeus [M&H; W&S]
bluebells-of-Scotland
Campanula petiolata A. A.P. de Candolle
uniflora Linnaeus [M&H]
arctic bellflower

Lobelia lobelia

Thompson, S.W. & T.G. Lammers. 1997. Phenetic analysis of morphological variation in the *Lobelia cardinalis* complex (Campanulaceae: Lobelioideae). Syst. Bot. 22(2):315-332.

anatina Wimmer
Apache lobelia
cardinalis Linnaeus
cardinal-flower
Lobelia cardinalis Linnaeus subsp. *graminea* (Lamarck) McVaugh
Lobelia splendens Willdenow
cardinalis Linnaeus subsp. *graminea* (Lamarck) McVaugh = Lobelia cardinalis Linnaeus
fenestralis Cavanilles
fringeleaf lobelia
splendens Willdenow = Lobelia cardinalis Linnaeus

Nemacladus threadplant

Ward, D. & R. Spellenberg. 1981. Noteworthy collections (New Mexico). Madroño 28:185-186. [*Nemacladus glanduliferus orientalis*]

glanduliferus Jepson var. ***orientalis*** McVaugh [Ward & Spellenberg 1981]
glandular threadplant
Specularia holzingeri (McVaugh) Fernald = Triodanis holzingeri McVaugh
perfoliata (Linnaeus) A. A.P. de Candolle = Triodanis perfoliata (Linnaeus) Nieuwland var. perfoliata

Triodanis Venus's-looking-glass

Bradley, T.R. 1975. Hybridization between *Triodanis perfoliata* and *Triodanis biflora* (Campanulaceae). Brittonia 27:110-114.

biflora (Ruiz & Pavon) Greene = Triodanis perfoliata (Linnaeus) Nieuwland var. biflora (Ruiz & Pavon) Bradley
holzingeri McVaugh : Reported as expected by M&H map. Weber & Wittmann (2001) consider this to be hybrids between T. perfoliata × T. leptocarpa.
Specularia holzingeri (McVaugh) Fernald
perfoliata (Linnaeus) Nieuwland var. ***perfoliata*** [M&H; W&S]
Venus's-looking-glass
Specularia perfoliata (Linnaeus) A. A.P. de Candolle
perfoliata (Linnaeus) Nieuwland var. ***biflora*** (Ruiz & Pavon) Bradley [Spellenberg et al. 1986]
small Venus's-looking-glass
Specularia biflora (Ruiz & Pavon) Fischer & Meyer
Triodanis biflora (Ruiz & Pavon) Greene

Family CANNABACEAE

Cannabis hemp

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Cannabis sativa*]
Small, E. & A. Cronquist. 1976. A practical and natural taxonomy for *Cannabis*. Taxon 25(4):405-435.
Small, E., P.Y. Jul, & L.P. Lefkovitch. 1976. A numerical analysis of *Cannabis* with special reference to species delimitation. Syst. Bot. 1:67-84.

sativa Linnaeus var. ***sativa*** [Allred 1999]
hemp, marijuana

Humulus hop

Small, E. 1978. A numerical and nomenclatural analysis of morpho-geographic taxa of *Humulus*. Syst. Bot. 3(1):37-76.

americanus of NM works = Humulus lupulus Linnaeus var. neomexicanus Nelson & Cockerell
lupulus Linnaeus var. ***neomexicanus*** Nelson & Cockerell [M&H; Small 1978; W&S]
New Mexico hop
Humulus neomexicanus (Nelson & Cockerell) Rydberg
Humulus americanus of NM works
neomexicanus (Nelson & Cockerell) Rydberg = Humulus lupulus Linnaeus var. neomexicanus Nelson & Cockerell

Family CAPPARACEAE = CLEOMACEAE

Family CAPRIFOLIACEAE

Distegia involucrata (Richardson) Rafinesque = Lonicera involucrata (Richardson) Banks

Linnaea twin-flower

americana Forbes = Linnaea borealis Linnaeus var. americana (Forbes) Rehder
borealis Linnaeus subsp. *americana* (Forbes) Hultén ex Clausen = Linnaea borealis Linnaeus var. longiflora Torrey
borealis Linnaeus var. *americana* (Forbes) Rehder = Linnaea borealis Linnaeus var. longiflora Torrey
borealis Linnaeus var. ***longiflora*** Torrey [W&S]

American twin-flower
Linnaea americana Forbes
Linnaea borealis Linnaeus subsp. *americana* (Forbes) Hultén ex Clausen
Linnaea borealis Linnaeus var. *americana* (Forbes) Rehder

Lonicera honeysuckle

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*L. tatarica*]

Peterson, R.S. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Lonicera bella*]

albiflora Torrey & Gray [W&S]
white honeysuckle
Lonicera dumosa Gray
Lonicera albiflora Torrey & Gray var. *dumosa* (Gray) Rehder

albiflora Torrey & Gray var. *dumosa* (Gray) Rehder = Lonicera albiflora Torrey & Gray

arizonica Rehder [W&S]
Arizona honeysuckle

****bella*** Zabel [Peterson 2000]
Belle's honeysuckle

dumosa Gray = Lonicera albiflora Torrey & Gray

involucrata (Richardson) Banks ex Sprengel [W&S]
four-line honeysuckle
Distegia involucrata (Richardson) Rafinesque

****japonica*** Thunberg
Japanese honeysuckle

****tatarica*** Linnaeus [Heil et al. 2002]
twin-sisters

utahensis S. Watson [W&S]
Rocky Mountain honeysuckle
Xylosteon utahense (S. Watson) Howell

Sambucus elderberry

Cronquist, A. & A.H. Holmgren. 1984. *Sambucus*, pp. 542-544. IN: Intermountain Flora, vol. 4. New York Botanical Garden.

canadensis Linnaeus var. *mexicana* (Presl) Sargent = Sambucus coerulea Rafinesque var. mexicana (K. Presl ex A.P. de Candolle) L. Benson

coerulea Rafinesque var. ***mexicana*** (K. Presl ex A.P. de Candolle) L. Benson [M&H; W&S]
Mexican elderberry
Sambucus canadensis Linnaeus var. *mexicana* (Presl) Sargent
Sambucus glauca Nuttall var. *arizonica* Sargent
Sambucus mexicana Presl

coerulea Rafinesque var. ***neomexicana*** (Wooton) Rehder [M&H; W&S]
New Mexico elderberry
Sambucus glauca Nuttall var. *neomexicana* A. Nelson
Sambucus neomexicana Wooton
Sambucus neomexicana Wooton var. *vestita* (Wooton & Standley) Kearney & Peebles
Sambucus vestita Wooton & Standley

glauca Nuttall var. *arizonica* Sargent = Sambucus coerulea Rafinesque var. mexicana (K. Presl ex A.P. de Candolle) L. Benson

glauca Nuttall var. *neomexicana* A. Nelson = Sambucus coerulea Rafinesque var. neomexicana (Wooton) Rehder

melanocarpa Gray = Sambucus racemosa Linnaeus var. melanocarpa (Gray) McMinn

mexicana Presl = Sambucus coerulea Rafinesque var. mexicana (K. Presl ex A.P. de Candolle) L. Benson

microbotrys Rydberg = Sambucus racemosa Linnaeus var. microbotrys (Rydberg) Kearney & Peebles

neomexicana Wooton = Sambucus coerulea Rafinesque var. neomexicana (Wooton) Rehder

neomexicana Wooton var. *vestita* (Wooton & Standley) Kearney & Peebles = Sambucus coerulea Rafinesque var. neomexicana (Wooton) Rehder

pubens of NM authors = Sambucus racemose Linneaus var. melanocarpa (Gray) McMinn

racemosa Linnaeus var. ***melanocarpa*** (Gray) McMinn [M&H; W&S]
red elderberry
Sambucus melanocarpa Gray

racemosa Linnaeus var. ***microbotrys*** (Rydberg) Kearney & Peebles [W&S]
red elderberry
Sambucus microbotrys Rydberg

vestita Wooton & Standley = Sambucus coerulea Rafinesque var. neomexicana (Wooton) Rehder

Symphoricarpos snowberry

Allred, K.W. 2005. A synopsis of *Symphoricarpos* (Caprifoliaceae) in New Mexico. The New Mexico Botanist 33:5-6.

Jones, G.N. 1940. A monograph of the genus *Symphoricarpos*. J. Arnold Arbor. 21:203-252.

albus (Linnaeus) Blake [Allred 2005; M&H; W&S]
common snowberry
Symphoricarpos albus (Linnaeus) Blake var. *pauciflorus* (Robbins ex Gray) Blake
Symphoricarpos pauciflorus Robbins ex Gray
Symphoricarpos racemosus Michaux var. *pauciflorus* Robbins

albus (Linnaeus) Blake var. *pauciflorus* (Robbins ex Gray) Blake = Symphoricarpos albus (Linnaeus) Blake
longiflorus Gray [Allred 2005; M&H]
desert snowberry
microphyllus Kunth : Reported by Jones (1940), based on a Wooton specimen from Valencia County. The specimen is referred to Symphoricarpos rotundifolius (utahensis phase) (Allred 2005).
occidentalis Hooker [Allred 2005; M&H]
western snowberry
oreophilus Gray = Symphoricarpos rotundifolius Gray
oreophilus Gray var. *utahensis* (Rydberg) A. Nelson = Symphoricarpos rotundifolius Gray
palmeri G.N. Jones = *Symphoricarpos* rotundifolius Gray
pauciflorus (Robbins) Britton = Symphoricarpos albus (Linnaeus) Blake
racemosus Michaux var. *pauciflorus* Robbins = Symphoricarpos albus (Linnaeus) Blake
rotundifolius Gray [Allred 2005; M&H; W&S]
round-leaf snowberry
Symphoricarpos oreophilus Gray
Symphoricarpos oreophilus Gray var. *utahensis* (Rydberg) A. Nelson
Symphoricarpos palmeri G.N. Jones
Symphoricarpos utahensis Rydberg
utahensis Rydberg = Symphoricarpos rotundifolius Gray
Viburnum opulus Linnaeus var. americanum Aiton : Kartesz (1999) questionably reports this species; its occurrence in NM seems unlikely based on its known distribution.
Xylosteon utahense (S. Watson) Howell = Lonicera utahensis S. Watson

Family CARYOPHYLLACEAE

[Corrigiolaceae, Silenaceae]

Rabeler, R.K. & R.L. Hartman (eds.). 2005. Caryophyllaceae, p. 3-215. IN: Flora of North America, vol. 5, pt. 2. Oxford University Press, New York

Agrostemma corncockle
****githago*** Linnaeus [M&H; W&S]
corncockle
Alsinopsis obtusiloba Rydberg = Minuartia obtusiloba (Rydberg) House
propinqua (Richardson) Rydberg = Minuartia rubella (Wahlenberg) Grabner
Alsine baicalensis Coville = Stellaria umbellata Turczaninow
curtisii Ryberg = Pseudostellaria jamesiana (Torrey) W.A. Weber & R.L. Hartman
cuspidata (Willdenow) Wooton & Standley = Stellaria cuspidata Willdenow
jamesiana (Torrey) Heller = Pseudostellaria jamesiana (Torrey) Weber & Hartman
laeta (Richardson) Rydberg = Stellaria longipes Goldie
longifolia (Muhlenberg) Britton = Stellaria longifolia Muhlenberg
longipes (Goldie) Coville = Stellaria longipes Goldie var. longipes
media Linnaeus = Stellaria media (Linnaeus) Cyrillo
Arenaria sandwort

Hartman, R.L. & R.K. Rabeler. 2004. New combinations in North America *Eremogone* (Caryophyllaceae). Sida 29(1):237-241.
Maguire, B. 1951. Studies in the Caryophyllaceae -- V. *Arenaria* in America north of Mexico. [*Arenaria benthamii*]

aculeata S. Watson = Eremogone aculeata (S. Watson) Ikonnikov
aequicalis A. Nelson = Minuartia rubella (Wahlenberg) Grabner
benthamii Fenzl ex Torrey & Gray [Maguire 1951]
hilly sandwort
confusa Rydberg = Spergulastrum lanuginosum Michaux subsp. saxosum (Gray) Weber
congesta Nuttall ex Torrey & Gray var. *aculeata* M.E. Jones = Eremogone aculeata (S. Watson) Ikonnikov
eastwoodiae Rydberg = Eremogone eastwoodiae (Rydberg) Ikonnikov
eastwoodiae Rydberg var. *adenophora* Kearney & Peebles = Eremogone eastwoodiae (Rydberg) Ikonnikov var. adenophora (Kearney & Peebles) Hartman & Rabeler
fendleri Gray var. *brevifolia* (Maguire) Maguire = Eremogone fendleri (Gray) Ikonnikov
fendleri Gray var. *eastwoodiae* (Rydberg) Harrington = Eremogone eastwoodiae (Rydberg) Ikonnikov var. eastwoodiae
fendleri Gray var. *fendleri* = Eremogone fendleri (Gray) Ikonnikov
fendleri Gray var. *tweedyi* (Rydberg) Maguire = Eremogone fendleri (Gray) Ikonnikov
hookeri Nuttall ex Torrey & Gray = Eremogone hookeri (Nuttall ex Torrey & Gray) W.A. Weber
lanuginosa (Michaux) Rohrbach subsp. *saxosa* (Gray) Maguire = Spergulastrum lanuginosum Michaux subsp. saxosum (Gray) Weber
lateriflora Linnaeus = Moehringia lateriflora (Linnaeus) Fenzl
macrophylla Hooker = Moehringia macrophylla (Hooker) Torrey
mearnsii Wooton & Standley = Spergulastrum lanuginosum Michaux subsp. saxosum (Gray) Weber
obtusiloba (Rydberg) Fernald = Minuartia obtusiloba (Rydberg) House
polycaulos Rydberg = Spergulastrum lanuginosum Michaux subsp. saxosum (Gray) Weber
rubella (Wahlenberg) J.E. Smith = Minuartia rubella (Wahlenberg) Grabner
rubra Linnaeus = Spergularia rubra (Linnaeus) Presl
sajanensis auct., non Willdenow = Minuartia obtusiloba (Rydberg) House
saxosa Gray var. *cinerascens* Robinson = Spergulastrum lanuginosum Michaux subsp. saxosum (Gray) Weber
saxosa Gray var. *mearnsii* (Wooton & Standley) Kearny & Peebles = Spergulastrum lanuginosum Michaux subsp. saxosum (Gray) Weber
saxosa Gray var. *saxosa* = Spergulastrum lanuginosum Michaux subsp. saxosum (Gray) Weber

*__serpyllifolia__ Linnaeus [M&H]
thyme-leaf sandwort
stricta Michaux subsp. *texana* (Robinson) Maguire = Minuartia michauxii (Frenzl) Farwell var. texana (Robinson) Mattfield

__Cerastium__ chickweed

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Cerastium glomeratum* as *C. viscosum*]
Morton, J.K. 2005. *Cerastium*, p. 74-93. IN: Flora of North America, vol. 5, pt.2. Oxford University Press, New York.
Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Cerastium axillare*]
Spellenberg, R., M. Mahrt & R. Brozka. 1991. Noteworthy collections, New Mexico. Madroño 38:298-301. [*Cerastium glomeratum*]
Turner, B.L. 1995. *Cerastium texanum* (Caryophyllaceae) does not occur in Texas. Phytologia 79(5):356-363.

__arvense__ Linnaeus subsp. __strictum__ (Linnaeus) Ugborogho [M&H; W&S]
field chickweed
Cerastium oreophilum Greene
Cerastium scopulorum Greene
Cerastium strictum Linnaeus

__axillare__ Correll [Spellenberg et al. 1986]
Trans-Pecos chickweed

__beeringianum__ Chamisso & Schlechtendal subsp. __earlei__ (Rydberg) Hultén [M&H; W&S]
Bering chickweed

__brachypodum__ (Engelmann ex Gray) Robinson [M&H; W&S]
short-stalk chickweed

__fastigiatum__ Greene [M&H; Morton 2005; W&S]
fastigiate chickweed
Cerastium nutans Rafinesque sensu NM authors

*__fontanum__ Baumgarten subsp. __vulgare__ (Hartman) Greuter & Burdet [M&H]
common chickweed
Cerastium vulgatum Linnaeus

*__glomeratum__ Thuiller [Allred 1999; Spellenberg et al. 1991]
sticky chickweed
Cerastium viscosum of authors, not Linnaeus

longipedunculatum Muhlenberg = Cerastium nutans Rafinesque var. nutans
nutans Rafinesque sensu NM authors = Cerastium fastigiatum Greene

__nutans__ Rafinesque var. __obtectum__ Kearney & Peebles [M&H; W&S]
nodding chickweed
Cerastium sericeum S. Watson

oreophilum Greene = Cerastium arvense Linnaeus subsp. strictum (Linnaeus) Ugborogho
scopulorum Greene = Cerastium arvense Linnaeus subsp. strictum (Linnaeus) Ugborogho
sericeum S. Watson = Cerastium nutans Rafinesque var. obtectum Kearney & Peebles
strictum Linnaeus = Cerastium arvense Linnaeus subsp. strictum (Linnaeus) Ugborogho

__texanum__ Britton [M&H; Turner 1995]
Texas chickweed

viscosum of authors, not Linnaeus = Cerastium glomeratum Thuiller
vulgatum Linnaeus = Cerastium fontanum Baumgarten subsp. vulgare (Hartman) Greuter & Burdet

__Dianthus__ carnation

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Dianthus armeria*]

*__armeria__ Linnaeus [Allred 1999]
Deptford pink

__Drymaria__ drymary

Duke, J.A. 1961. Preliminary revision of the genus *Drymaria*. Ann. Missouri Bot. Gard. 48(3):173-268. [*Drymaria molluginea*]
Little, E.L. Jr. 1937. A study of poisonous *Drymaria* on southern New Mexico ranges. Ecology 18:416-426. [*Drymaria pachyphylla*]

arenarioides Humboldt & Bonpland ex J.A. Schultes : Listed in various noxious weed lists of NM, but not yet known definitely from the state.

depressa Greene = Drymaria effusa Gray var. depressa (Greene) Duke

__effusa__ Gray var. __depressa__ (Greene) Duke [M&H; W&S]
pinewoods drymary
Drymaria depressa Greene

fendleri S. Watson = Drymaria glandulosa K. Presl

__glandulosa__ K. Presl [M&H; W&S]
Fendler's drymary
Drymaria fendleri S. Watson

__laxiflora__ Bentham [M&H]
Trans-Pecos drymary

__leptophylla__ (Chamisso & Schlechtendal) Fenzl ex Rohrbach [M&H; W&S]
canyon drymary
Drymaria tenella Gray

__molluginea__ (Lagasca) Didrichsen [Duke 1961; M&H; W&S]
slim-leaf drymary
Drymaria sperguloides Gray

pachyphylla Wooton & Standley [M&H; W&S]
thick-leaf drymary
sperguloides Gray = Drymaria molluginea (Lagasca) Didrichsen
tenella Gray = Drymaria leptophylla (Chamisso & Schlechtendal) Fenzl ex Rohrbach

Eremogone sandwort
Hartman, R.L. & R.K. Rabeler. 2004. New combinations in North America *Eremogone* (Caryophyllaceae). Sida 29(1):237-241.
Hartman, R.L., R.K. Rabeler, & F.H. Utech. 2005. *Eremogone*, p. 56-70. IN: Flora of North America, vol. 5, pt. 2. Oxford University Press, New York.
Sivinski, R. 1998. New plant distribution records. The New Mexico Botanist 7:6. [*Eremogone* (*Arenaria*) *hookeri*]
aculeata (S. Watson) Ikonnikov [M&H; W&S]
needle-leaf sandwort
Arenaria aculeata S. Watson
Arenaria congesta Nuttall ex Torrey & Gray var. *aculeata* M.E. Jones
eastwoodiae (Rydberg) Ikonnikov var. ***eastwoodiae*** [M&H; W&S]
Eastwood's sandwort
Arenaria eastwoodiae Rydberg
Arenaria fendleri Gray var. *eastwoodiae* (Rydberg) Harrington
eastwoodiae (Rydberg) Ikonnikov var. ***adenophora*** (Kearney & Peebles) R.L. Hartman & Rabeler [Hartman et al. 2005]
Eastwood's sandwort
Arenaria eastwoodiae Rydberg var. *adenophora* Kearney & Peebles
fendleri (Gray) Ikonnikov [M&H; W&S]
Fendler's sandwort
Arenaria fendleri Gray var. *brevifolia* (Maguire) Maguire
Arenaria fendleri Gray var. *fendleri*
Arenaria fendleri Gray var. *tweedyi* (Rydberg) Maguire
hookeri (Nuttall ex Torrey & Gray) W.A. Weber [Sivinski 1998]
Hooker's sandwort
Arenaria hookeri Nuttall ex Torrey & Gray

Gypsophila baby's-breath
Allred, K. 2004. Plant distribution reports. The New Mexico Botanist 31:1. [*Gypsophila paniculata*]
Allred, K.W. 2005. Plant distribution reports (*Gypsophila scorzonerifolia*, *Rumex stenophyllus*, *Paronychia pulvinata*). The New Mexico Botanist 33:7.
elegans Bieberstein : Reported by Campbell & Little (1935), but no specimen can be found at the Jornada herbarium; reported for Texas recently (Nesom & O'Kennon 2002); ours was likely a one-time escape that has not persisted.
****scorzonerifolia*** Seringe [Allred 2004, 2005]
garden baby's-breath
paniculata Linnaeus : Reported by Allred (2004), but the specimen was corrected to Gypsophila scorzonerifolia Seringe (Allred 2005)

Lidia obtusiloba (Rydberg) Löve & Löve = Minuartia obtusiloba (Rydberg) House

Loeflingia pygmy-leaf
Chauvin, Y. 2006. Plant distribution reports. The New Mexico Botanist 35:3. [*Loeflingia squarrosa*]
squarrosa Nuttall [Chauvin 2006]
spreading pygmy-leaf

Lychnis alba Miller = Silene latifolia Poiret subsp. alba (Miller) Greuter & Burdet
drummondii (Hooker) S. Watson = Silene drummondii Hooker

Melandrium album (Miller) Garcke = Silene latifolia Poiret subsp. alba (Miller) Greuter & Burdet

Minuartia
Hartman, R. 2006. Plant distribution reports (*Minuartia macrantha*). The New Mexico Botanist 35:3.
Rabeler, R.K., R.L. Hartman, & F.H. Utech. 2005. *Minuartia*, p. 116-136. IN: Flora of North America, vol. 5, pt. 2. Oxford University Press, New York.
Wagner, W.L. 1983. Noteworthy collections (New Mexico). Madroño 30:126. [***M.*** (*Arenaria*) *stricta* subsp. *texana*]
macrantha (Rydberg) House [Hartman 2006]
House's stitchwort
michauxii (Frenzl) Farwell var. ***texana*** (Robinson) Mattfield [Wagner 1983]
Texas stitchwort
Arenaria stricta Michaux subsp. *texana* (Robinson) Maguire
obtusiloba (Rydberg) House [M&H; W&S]
alpine stitchwort
Alisinopsis obtusiloba Rydberg
Arenaria obtusiloba (Rydberg) Fernald
Arenaria sajanensis auct., non Willdenow
Lidia obtusiloba (Rydberg) Löve & Löve
rubella (Wahlenberg) Grabner [M&H; W&S]
boreal stitchwort
Alsinopsis obtusiloba Rydberg
Alsinopsis propinqua (Richardson) Rydberg
Arenaria aequicalis A. Nelson
Arenaria propinqua Richardson
Arenaria rubella (Wahlenberg) J.E. Smith
Tryphane rubella (Wahlenberg) Reichenbach

Moehringia sandwort

lateriflora (Linnaeus) Fenzl [M&H; W&S]
blunt sandwort
Arenaria lateriflora Linnaeus
macrophylla (Hooker) Torrey [M&H; W&S]
large-leaf sandwort
Arenaria macrophylla Hooker

Paronychia nailwort

Allred, K.W. 2005. Plant distribution reports (*Gypsophila scorzonerifolia*, *Rumex stenophyllus*, *Paronychia pulvinata*). The New Mexico Botanist 33:7.
Sivinski, R. 1998. New plant distribution records. The New Mexico Botanist 7:6. [*Paronychia depressa*]
Turner, B.L. 1981. The Texas species of *Paronychia* (Caryophyllaceae). Phytologia 54(1):9-23.

depressa (Torrey & Gray) Nuttall ex A. Nelson [Sivinski 1998]
spreading nailwort
jamesii Torrey & Gray [M&H]
James's nailwort
lindheimeri Engelmann ex Gray : Reported as expected by M&H map; this seems unlikely in view of the distribution reported by Turner (1981); awaits verification.
pulvinata Gray [Allred 2005; M&H]
Rocky Mountain nailwort
sessiliflora Nuttall [M&H]
low nailwort

Pseudostellaria starwort

Weber, W.A. & R. Hartman. 1979. *Pseudostellaria jamesiana*, comb. nov., a North American representative of a Eurasian genus. Phytologia 44:313-314.

jamesiana (Torrey) W.A. Weber & R.L. Hartman [M&H; W&S]
sticky starwort
Stellaria jamesiana Torrey
Alsine curtisii Rydberg
Alsine jamesiana (Torrey) Heller

Sagina pearlwort

Crow, G.E. 1978. A taxonomic revision of *Sagina* (Caryophyllaceae) in North America. Rhodora 80:1-91.

saginoides (Linnaeus) Karsten [Crow 1978; M&H; W&S]
alpine pearlwort

Saponaria bouncing-bet

****officinalis*** Linnaeus [M&H; W&S]
bouncing-bet
vaccaria Linnaeus = Vaccaria hispanica (Miller) Rauschert

Silene catchfly

Greuter, W. 1995. *Silene* (Caryophyllacee) in Greece: a subgeneric and sectional classification. Taxon 44:543-581.
Hitchcock, C.L. & B. Maguire. 1947. A revision of the North American species of *Silene*. Univ. Washington Publ. in Biology 13:1-73.
Ivey, R.D. 2003. Flowering Plants of New Mexico. 4th ed. Publ. by the author. 573 pp. [*S. csereii*]
McNeill, J. 1978. *Silene alba* and *S. dioica* in North America and the generic delimitation of *Lychnis, Melandrium*, and *Silene* (Caryophyllaceae). Can. J. Bot. 56:297-308.
Peterson, R.S. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Silene latifolia* subsp. *alba*]
Todsen, T.K. 1973. Comments on New Mexico flora. Sida 5:135. [*Silene plankii*]

acaulis Linnaeus subsp. ***subacaulescens*** (F.N. Williams) Hitchcock & Maguire [M&H; W&S]
cushion-pink
antirrhina Linnaeus [M&H; W&S]
sleepy catchfly
concolor Greene = Silene scouleri Hooker subsp. pringlei (S. Watson) Hitchcock & Maguire
csereii Baumgarten [Ivey 2003]
smooth catchfly, maiden-tears
drummondii Hooker var. ***drummondii*** [M&H; W&S]
Drummond's catchfly
Lychnis drummondii (Hooker) S. Watson
Wahlbergella drummondii (Hooker) Rydberg
greggii Gray = Silene laciniata Cavanilles var. greggii (Gray) C.L. Hitchcock & Maguire
laciniata Cavanilles var. ***greggii*** (Gray) C.L. Hitchcock & Maguire [M&H; W&S]
cardinal catchfly
Silene greggii Gray
latifolia Poiret subsp. ***alba*** (Miller) Greuter & Burdet [Peterson 2000]
white campion
Lychnis alba Miller
Melandrium alba (Miller) Garcke
menziesii Hooker [M&H; W&S]
white catchfly
Silene stellaroides Nuttall
****noctiflora*** Linnaeus [M&H; W&S]
night catchfly

plankii C.L. Hitchcock & Macguire [M&H; Todsen 1973]
Plank's catchfly
pringlei S. Watson = Silene scouleri Hooker subsp. pringlei (S. Watson) Hitchcock & Maguire
+***scouleri*** Hooker var. ***grisea*** C.L. Hitchcock & Maguire [Hitchcock & Maguire 1947]
Scouler's catchfly
scouleri Hooker var. ***pringlei*** (S. Watson) C.L. Hitchcock & Maguire ex Kartesz & Gandhi [M&H; W&S]
Pringle's catchfly
Silene concolor Greene
Silene pringlei S. Watson
stellaroides Nuttall = Silene menziesii Hooker
thurberi S. Watson [M&H; Wagner 1979]
Thurber's catchfly
*vulgaris (Moench) Garcke : Reported without documentation in Kartesz (1999); awaits verification.
+wrightii Gray [M&H; W&S]
Wright's catchfly
Spergula arvensis Linnaeus : Reported as expected by M&H; awaits verification.
Spergularia sandspurry
maritima (Allioni) Chiovenda = Spergularia media (Linnaeus) Presl
marina (Linnaeus) Grisebach = Spergularia salina J.& K. Presl
****media*** (Linnaeus) Presl [M&H]
satin-flower
Spergularia maritima (Allioni) Chiovenda
****rubra*** (Linnaeus) Presl [M&H; W&S]
ruby sandspurry
Tissa rubra (Linnaeus) Britton
salina J.& K. Presl [M&H]
salt-marsh sandspurry
Spergularia marina (Linnaeus) Grisebach
Spergularia sparsiflora (Greene) A. Nelson
Tissa salina (Presl) Greene
sparsiflora (Greene) A. Nelson = Spergularia salina J.& K. Presl
Spergulastrum sandwort
lanuginosum Michaux subsp. ***saxosum*** (Gray) Weber [M&H; W&S]
spreading sandwort
Arenaria confusa Rydberg
Arenaria lanuginosa (Michaux) Rohrbach subsp. *saxosa* (Gray) Maguire
Arenaria lanuginosa (Michaux) Rohrbach var. *saxosa* (Gray) Zarucchi, Hartman & Rabeler
Arenaria mearnsii Wooton & Standley
Arenaria polycaulos Rydberg
Arenaria saxosa Gray
Arenaria saxosa Gray var. *cinerascens* Robinson
Arenaria saxosa Gray var. *mearnsii* (Wooton & Standley) Kearny & Peebles
Tissa rubra (Linnaeus) Britton = Spergularia rubra (Linnaeus) Presl
Tryphane rubella (Wahlenberg) Reichenbach = Minuartia rubella (Wahlenberg) Grabner
Stellaria starwort
Hartman, R.L. 1973. New plant records for New Mexico. Southwestern Naturalist 18(2):241-242. [*Stellaria calycantha, S. irrigua*]
Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*S. crassifolia*]
Chinnappa, C.C. 1992. *Stellaria porsildii*, sp. nov., a new member of the *S. longipes* complex (Caryophyllaceae). Syst. Bot. 17(1):29-32.
Morton, J.K. 2005. *Stellaria*, p. 96-114. IN: Flora of North America, vol. 5, pt. 2. Oxford University Press, New York.
Morton, J.K. & R.K. Rabeler. 1989. Biosystemic studies on the *Stellaria calycantha* (Caryophyllaceae) complex. I. Cytology and cytogeography. Can. J. Bot. 67(1):121-127.
Spellenberg, R., L. McIntosh, & L. Brouillet. 1993. New records of angiosperms from southern New Mexico. Phytologia 75:224-230. [*Stellaria nitens*]
borealis Bigelow var. *simcoei* Howell = Stellaria calycantha (Ledebour) Bongard var. simcoei (Howell) Fernald
calycantha (Ledebour) Bongard var. ***simcoei*** (Howell) Fernald [Hartman 1973; M&H]
northern bog starwort
Stellaria borealis Bigelow var. *simcoei* Howell
crassifolia Ehrhart var. ***crassifolia*** [Heil et al. 2002]
fleshy starwort
cuspidata Willdenow ex Schlectendal subsp. ***cuspidata*** [M&H; W&S]
Mexican starwort
Alsine cuspidata (Willdenow) Wooton & Standley
cuspidata Willdenow ex Schlectendal subsp. ***prostrata*** (Baldwin) J.K. Morton [Morton 2005]
Mexican starwort
Stellaria prostrata Baldwin
irrigua Bunge [Hartman 1973; M&H]
Colorado starwort

jamesiana Torrey = Pseudostellaria jamesiana (Torrey) W.A. Weber & R.L. Hartman
laeta Richardson = Stellaria longipes Goldie
longifolia Muhlenberg ex Willdenow [M&H; W&S]
long-leaf starwort
Alsine longifolia (Muhlenberg) Britton
longipes Goldie var. *laeta* (Richardson) S. Watson = Stellaria longipes Goldie
longipes Goldie [M&H; W&S]
long-stalk starwort
Alsine laeta (Richardson) Rydberg
Alsine longipes (Goldie) Coville
Stellaria laeta Richardson
Stellaria longipes Goldie var. *laeta* (Richardson) S. Watson
****media*** (Linnaeus) Cyrillo [M&H; W&S]
common chickweed
Alsine media Linnaeus
nitens Nuttall [Spellenberg et al. 1993]
shiny starwort
porsildii Chinnappa [Chinnappa 1992]
Porsild's starwort
prostrata Baldwin = Stellaria cuspidata Willdenow ex Schlechtendal subsp. prostrata (Baldwin) Morton
umbellata Turczaninow ex Karelin & Kirilov [M&H; W&S]
parachute starwort
Alsine baicalensis Coville
Stellaria weberi Boivin
weberi Boivin = Stellaria umbellata Turczaninow
Tissa rubra (Linnaeus) Britton = Spergularia rubra (Linnaeus) Presl
salina (Presl) Greene = Spergularia salina J.& K. Presl
Vaccaria cowcockle
****hispanica*** (Miller) Rauschert [M&H; W&S]
cowcockle
Saponaria vaccaria Linnaeus
Vaccaria vaccaria (Linnaeus) Britton
vaccaria (Linnaeus) Britton = Vaccaria hispanica (Miller) Rauschert
Wahlbergella drummondii (Hooker) Rydberg = Silene drummondii Hooker

Family CASSIACEAE = FABACEAE

Family CELASTRACEAE

Forsellesia = see CROSSOSOMATACEAE
Glossopetalon = see CROSSOSOMATACEAE
Mortonia sandpaper-bush
scabrella Gray
sandpaper-bush, Rio Grande saddlebush
Pachystima mountain-lover
myrsinites (Pursh) Rafinesque
mountain lover

Family CERATOPHYLLACEAE

Ceratophyllum coon's-tail
Les, D.H. 1997. *Ceratophyllum*, pp. 82-84. IN: Flora of North America, vol. 3. Oxford University Press.
demersum Linnaeus [Les 1997; M&H; W&S]
coon's-tail

Family CHENOPODIACEAE

Welsh, S.L., C.W. Crompton, & S.E. Clemants. 2003. Chenopodiaceae. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
Allenrolfea iodinebush
occidentalis (S. Watson) Kuntze [M&H; W&S]
iodinebush
Halostachys occidentalis S. Watson
Salicornia occidentalis (S. Watson) Greene
Atriplex saltbush
Bleakly, D. 1999. New plant distribution records. The New Mexico Botanist 11:8. [*Atriplex heterosperma*]
Brown, G.D. 1956. Taxonomy of America *Atriplex*. Amer. Midl. Natural. 55:199-210.
Henrickson, J. 1988. A revision of the *Atriplex acanthocarpa* complex (Chenopodiaceae). Southw. Naturalist 33:451-463.
Sanderson, S.C. & H.C. Stutz. 2001. Chromosome races of fourwing saltbush (*Atriplex canescens*), Chenopodiaceae. USDA For. Serv. Proc. RMRS-P-21. p. 75-88.
Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Proatriplex pleiantha*]

Stutz, H.C. & G.-L. Chu. 1997(1998). *Atriplex pachypoda* (Chenopodiaceae), a new species from southwestern Colorado and northwestern New Mexico. Madroño 44(3):277-281.
Stutz, H.C., G.-L. Chu, & S.C. Sanderson. 1990. Evolutionary studies of *Atriplex*: phylogenetic relationships of *Atriplex pleiantha*. Amer. J. Bot. 77(3):364-369.
Stutz, H.C. & S.C. Sanderson. 1998. Taxonomic clarification of *Atriplex nuttallii* (Chenopodiaceae) and its near relatives. Sida 18(1):193-212.
Wagner, W.L. & E.F. Aldon. 1978. Manual of the saltbushes (*Atriplex* spp.) in New Mexico. USDA, For. Ser. Gen. Tech. Rpt. RM-57.
Welsh, S.L.. 2003. *Atriplex*, pp. 322-381. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
Welsh, S.L. & C. Crompton. 1995. Names and types in perennial *Atriplex* Linnaeus (Chenopodiaceae) in North America selectively exclusive of Mexico. Great Basin Naturalist 55(4):322-334.

acanthocarpa (Torrey) S. Watson var. ***acanthocarpa*** [Henrickson 1988; M&H; W&S; Welsh 2003]
armed saltbush

angustior Cockerell = Atriplex canescens (Pursh) Nuttall

argentea Nuttall var. ***argentea*** [M&H; W&S; Welsh 2003]
silverscale
Atriplex argentea Nuttall var. *caput-medusae* (Eastwood) Fosberg
Atriplex caput-medusae Eastwood

argentea Nuttall var. *caput-medusae* (Eastwood) Fosberg = Atriplex argentea Nuttall subsp. argentea

argentea Nuttall var. ***mohavense*** (M.E. Jones) Welsh [M&H; W&S; Welsh 2003]
silverscale
Atriplex expansa S. Watson var. *mohavense* M.E. Jones

argentea Nuttall var. ***rydbergii*** (Standley) Welsh [Stutz & Chu 1997; Welsh 2003]
Rydberg's orach
Atriplex pachypoda Stutz & Chu

canescens (Pursh) Nuttall [M&H; W&S; Welsh 2003]
four-wing saltbush
Atriplex angustior Cockerell
Atriplex canescens (Pursh) Nuttall var. *angustifolia* (Torrey) S. Watson

canescens (Pursh) Nuttall var. *angustifolia* (Torrey) S. Watson = Atriplex canescens (Pursh) Nuttall

canescens (Pursh) Nuttall var. *garrettii* (Rydberg) L. Benson = Atriplex garrettii Rydberg

caput-medusae Eastwood = Atriplex argentea Nuttall subsp. argentea

collina Wooton & Standley = Atriplex confertifolia (Torrey & Fremont) S. Watson

confertifolia (Torrey & Fremont) S. Watson [M&H; W&S; Welsh 2003]
shadscale
Atriplex collina Wooton & Standley
Obione confertifolia Torrey & Fremont

corrugata S. Watson [M&H; Welsh 2003]
matted saltbush
Atriplex nuttallii S. Watson var. *corrugata* (S. Watson) A. Nelson

cuneata A. Nelson = Atriplex gardneri (Moquin-Tandon) Dietrich var. cuneata (A. Nelson) Welsh

dioica Rafinesque [Welsh 2003]
thickleaf orach
Atriplex patula Linnaeus var. *subspicata* (Nuttall) S. Watson
Atriplex subspicata (Nuttall) Rydberg

elegans (Moquin-Tandon) D. Dietrich var. ***elegans*** [M&H; W&S; Welsh 2003]
wheel-scale
Atriplex elegans (Moquin-Tandon) D. Dietrich var. *thornberi* Jones

elegans (Moquin-Tandon) D. Dietrich var. *thornberi* Jones = Atiplex elegans (Moquin-Tandon) D. Dietrich var. elegans

expansa S. Watson = Atriplex argentea Nuttall subsp. expansa (S. Watson) Hall & Clements

flagellaris Wooton & Standley = Atriplex semibaccata R. Brown

gardneri (Moquin-Tandon) Dietrich var. ***cuneata*** (A. Nelson) Welsh [M&H; Stutz & Sanderson 1998; Wagner & Aldon 1978; Welsh 2003]
valley saltbush
Atriplex cuneata A. Nelson
Atriplex nuttallii S. Watson subsp. *cuneata* (A. Nelson) Hall & Clements

garrettii Rydberg [Brown 1956]
Garrett's saltbush
Atriplex canescens (Pursh) Nuttall var. *garrettii* (Rydberg) L. Benson

greggii S. Watson = Atriplex obovata Moquin-Tandon

griffithsii Standley = Atriplex torreyi (S. Watson) S. Watson var. griffithsii (Standley) G.D. Brown

heterosperma Bunge = Atriplex micrantha Ledebour

****hortensis*** Moquin-Tandon [M&H]
garden orache

jonesii Standley = Atriplex obovata Moquin-Tandon

lentiformis (Torrey) S. Watson var. *griffithsii* (Standley) Benson = Atriplex torreyi (S. Watson) S. Watson var. griffithsii (Standley) G.D. Brown

****micrantha*** Ledebour [Bleakly 1999]
two-scale saltbush
Atriplex heterosperma Bunge

×neomexicana Standley : This name refers to sporadic hybrids between Atriplex gardneri × Atriplex confertifolia

nuttallii S. Watson var. *corrugata* (S. Watson) A. Nelson = Atriplex corrugata S. Watson
nuttallii S. Watson subsp. *cuneata* (A. Nelson) Hall & Clements = Atriplex cuneata A. Nelson
obovata Moquin-Tandon [M&H; W&S; Welsh 2003]
New Mexico saltbush
Atriplex greggii S. Watson
Atriplex jonesii Standley
Atriplex sabulosa M.E. Jones
pachypoda Stutz & Chu = Atriplex argentea Nuttall var. rydbergii (Standley) Welsh
patula Linnaeus var. *subspicata* (Nuttall) S. Watson = Atiplex dioica Rafinesque
pleiantha W.A. Weber [Welsh 2003]
Mancos orache
Proatriplex pleiantha (Weber) Stutz & Chu
powellii S. Watson var. ***powellii*** [M&H; W&S; Welsh 2003]
Powell's orache
prostrata Bouchér ex A.P. de Candolle [Welsh 2003]
fat hen
Atiplex triangularis Willdenow
****rosea*** Linnaeus [M&H; W&S; Welsh 2003]
tumbling orache
sabulosa M.E. Jones = Atriplex obovata Moquin-Tandon
saccaria S. Watson var. ***cornuta*** (M.E. Jones) Welsh [Welsh 2003]
flat-horn orach
saccaria S. Watson var. ***saccaria*** [M&H; W&S; Welsh 2003]
stalked orache
****semibaccata*** R. Brown [M&H; W&S; Welsh 2003]
Australian saltbush
Atriplex flagellaris Wooton & Standley
subspicata (Nuttall) Rydberg = Atriplex dioica Rafinesque
torreyi (S. Watson) S. Watson var. ***griffithsii*** (Standley) G.D. Brown [Wagner & Aldon 1978]
Griffiths's saltbush
Atriplex griffithsii Standley
triangularis Willdenow = Atriplex prostrata Boucher ex A.P. de Candolle
truncata (Torrey ex S. Watson) Gray : Reported by M&H, but not by Wagner & Aldon (1978) or Welsh (2003); awaits verification.
wrightii S. Watson [M&H; W&S; Welsh 2003]
Wright's saltbush

Bassia smotherweed

Collins, S.L. & W.H. Blackwell, Jr. 1979. *Bassia* (Chenopodiaceae) in North America. Sida 8(1):57-64.
Mosyakin S. 2003. *Bassia*, pp. 309-310. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

****hyssopifolia*** (Pallas) Kuntze [M&H]
smotherweed
Kochia hyssopifolia (Pallas) Schrader
sieversiana (Pallas) W.A. Weber = Kochia scoparia (Linnaeus) Schrader
Batis vermiculatus= Sarcobatus vermiculatus (Hooker) Torrey
Blitum capitatum Linnaeus = Chenopodium capitatum (Linnaeus) Ambrosi
hastatum Rydberg = Chenopodium capitatum (Linnaeus) Ambrosi var. parvicapitatum S.L. Welsh
nuttallianum Schultes = Monolepis nuttalliana (Schultes) Greene
Ceratoides lanata (Pursh) J.T. Howell = Krascheninnikovia lanata (Pursh) Meeuse & Smit

Chenopodium goosefoot

Aellen, P., & T. Just. 1943. Key and synopsis of the American species of *Chenopodium* Linnaeus. Am. Midl. Nat. 30:47-76.
Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Chenopodium cycloides*]
Allred, K.W. 2005. *Chenopodium* in New Mexico. The New Mexico Botanist 32:1-5.
Bassett, I.J. & C.W. Crompton. 1982. The genus *Chenopodium* in Canada. Can. J. Bot. 60(5):586-610.
Clemants, S.E. & S.L. Mosyakin, S.L. 2003. *Chenopodium*, pp. 275-299. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
Crawford, D.J. 1975. Systematic relationships in the narrow-leaved species of *Chenopodium* of the western United States. Brittonia 27:279-288.
Crawford, D.J. 1977. A study of morphological variability in *Chenopodium incanum* (Chenopodiaceae) and the recognition of two new varieties. Brittonia 29:291-296.
Dorn, R.D. 1988. *Chenopodium simplex*, an older name for *C. gigantospermum* (Chenopodiaceae). Madroño 35:162.
Mosyakin, S.L. & S.E. Clemants. 1996. New infrageneric taxa and combinations in *Chenopodium* L. (Chenopodiaceae). Novon 6:398-403.
Palomino-H., G., M. Segura-D., R. Bye, & P. Mercado-R. 1990. Cytogenetic distinction between *Teloxys* and *Chenopodium* (Chenopodiaceae). Southwestern Naturalist 35(3):351-353.
Sivinski, R. 1996. New plant distribution records. The New Mexico Botanist 3:6. [*Chenopodium cycloides*]
Standley, P.C. 1916. *Chenopodium*, in Chenopodiaceae. North American Flora 21, part 1:1-93. [*Chenopodium hircinum* inter allii]
Tidestrom, I. & T. Kittell. 1941. A Flora of Arizona and New Mexico. The Catholic University of America Press, Washington, D.C. 897 pp. [*Chenopodium hircinum*]
Wahl, H.A. 1952-53. A preliminary study of the genus *Chenopodium* in North America. Bartonia 27:1-46.

albescens of NM authors, not Small = mostly applied to Chenopodium atrovirens Rydberg
****album*** Linnaeus var. ***album*** [Allred 2005; Clemants & Mosyakin 2003; W&S]
lamb's quarter
Chenopodium paganum of NM authors, not Reichenbach

****album*** Linnaeus var. ***lanceolatum*** (Muhlenberg ex Willdenow) Cosson & Germain [Allred 2005]
album Linnaeus var. *leptophyllum* Nuttall ex Moquin-Tandon = Chenopodium leptophyllum (Moquin-Tandon) Nuttall ex S. Watson
album Linnaeus var. ***missouriense*** (Aellen) Bassett & Crompton [Allred 2005] Note: This is our native form.
Chenopodium missouriense Aellen
ambrosioides Linnaeus = Dysphania ambrosioides (Linnaeus) Mosyakin & Clemants
arizonicum Standley = Chenopodium neomexicanum Standley
atrovirens Rydberg [Allred 2005; Clemants & Mosyakin 2003; M&H; Wahl 1952-53]
piñon goosefoot
berlandieri Moquin-Tandon var. ***sinuatum*** (Murray) Wahlenberg [Allred 2005; Clemants & Mosyakin 2003; M&H]
pitted goosefoot
berlandieri Moquin-Tandon var. ***zschackei*** (Murray) Murray ex Ascherson [Allred 2005; Clemants & Mosyakin 2003]
pitted goosefoot
berlandieri Moquin-Tandon var. *glaucoviride* Aellen = Chenopodium desiccatum A. Nelson var. leptophylloides (Murray) Wahl
botrys Linnaeus = Dysphania botrys (Linnaeus) Mosyakin & Clemants
****capitatum*** (Linnaeus) Ambrosi var. ***parvicapitatum*** S.L. Welsh [Allred 2005; Clemants & Mosyakin 2003; M&H; W&S; Wahl 1952-53]
strawberry blite
Blitum hastatum Rydberg
Chenopodium overi Aellen
cornutum (Torrey) Bentham & Hooker = Dysphania graveolens (Willdenow) Mosyakin & Clemants
cycloides A. Nelson [Allred 2005; Clemants & Mosyakin 2003; Sivinski 1996; Wahl 1952-53]
sandhills goosefoot
desiccatum A. Nelson var. ***desiccatum*** [Allred 2005; M&H]
desert goosefoot
Chenopodium leptophyllum (Nuttall ex Moquin-Tandon) S. Watson subsp. *desiccatum* (A. Nelson) Aellen
Chenopodium pratericola Rydberg subsp. *desiccatum* (A. Nelson) Aellen
desiccatum A. Nelson var. ***leptophylloides*** (Murray) Wahl [Allred 2005; Clemants & Mosyakin 2003; M&H]
plains goosefoot
Chenopodium berlandieri Moquin-Tandon var. *glaucoviride* Aellen
Chenopodium pratericola Rydberg
Chenopodium pratericola Rydberg var. *leptophylloides* Aellen
****foliosum*** (Moench) Ascherson [Allred 2005; Clemants & Mosyakin 2003]
leafy goosefoot
fremontii S. Watson [Allred 2005; Clemants & Mosyakin 2003; M&H; W&S]
Fremont's goosefoot
fremonti S. Watson var. *incanum* S. Watson = Chenopodium incanum (S. Watson) Heller
gigantospermum Aellen = Chenopodium simplex (Torrey) Rafinesque
glabrescens (Aellen) Wahl = Chenopodium watsonii A. Nelson
****glaucum*** Linnaeus var. ***glaucum*** [Wahl 1952-53]
oak-leaf goosefoot
glaucum Linnaeus var. ***salinum*** (Standley) B. Boivin [Allred 2005; Clemants & Mosyakin 2003; M&H; W&S; Wahl 1952-53]
Rocky Mountain goosefoot
Chenopodium salinum Standley
graveolens Willdenow var. *neomexicanum* (Aellen) Aellen = Dysphania graveolens (Willdenow) Mosyakin & Clemants
hians Standley [Clemants & Mosyakin 2003; M&H; Wahl 1952-53]
gaping goosefoot
Chenopodium incognitum Wahl (not Wahlenberg) pro parte (NM material)
****hircinum*** Schrader [Standley 1916; Tidestrom & Kittell 1941]
foetid goosefoot
hybridum of early Amer. authors = Chenopodium simplex (Torrey) Rafinesque
hybridum Linnaeus var. *gigantospermum* (Aellen) Rouleau = Chenopodium simplex (Torrey) Rafinesque
hybridum Linnaeus var. *standleyanum* (Aellen) Fernald = Chenopodium standleyanum Aellen
humile Hooker = Chenopodium rubrum Linnaeus var. humile (Hooker) S. Watson
incanum (S. Watson) Heller [Allred 2005; Clemants & Mosyakin 2003; Crawford 1977; M&H; W&S]
mealy goosefoot
Chenopodium fremonti S. Watson var. *incanum* S. Watson
Chenopodium incanum (S. Watson) Heller var. *elatum* Crawford
incanum (S. Watson) Heller var. *elatum* Crawford = Chenopodium incanum (S. Watson) Heller
incisum Poiret var. *neomexicanum* Aellen = Dysphania graveolens (Willdenow) Mosyakin & Clemants
incognitum Wahl (not Wahlenberg) pro parte (NM material) = Chenopodium hians Standley
leptophyllum (Nuttall ex Moquin-Tandon) S. Watson [Allred 2005; Clemants & Mosyakin 2003; M&H; W&S; Wahl 1952-53]
narrowleaf goosefoot
Chenopodium album Linnaeus var. *leptophyllum* Nuttall ex Moquin-Tandon
Chenopodium oblongifolium Rydberg
missouriense Aellen = Chenopodium album Linnaeus var. missouriense (Aellen) Bassett & Crompton
****murale*** Linnaeus [Allred 2005; M&H]

nettle-leaf goosefoot

neomexicanum Standley [Allred 2005; Clemants &Mosyakin 2003; M&H; Wahl 1952-53]

New Mexico goosefoot

Chenopodium arizonicum Standley

nigrum Rafinesque = Suaeda nigra (Rafinesque) Macbride

oblongifolium Rydberg = Chenopodium leptophyllum Nuttall

overi Aellen = Chenopodium capitatum (Linnaeus) Ambrosi var. parvicapitatum S.L. Welsh

paganum of NM authors, not Reichenbach = Chenopodium album Linnaeus

pallescens Standley [Allred 2005; Clemants & Mosyakin 2003; M&H; Wahl 1952-53]

slim-leaf goosefoot

pratericola Rydberg = Chenopodium desiccatum A. Nelson var. leptophylloides (Murray) Wahl

pratericola Rydberg var. *leptophylloides* Aellen = Chenopodium desiccatum A. Nelson var. leptophylloides (Murray) Wahl

quinoa Willdenow : Grown occasionally in gardens or as a curiosity; apparently not fruiting in NM and not known to escape.

****rubrum*** Linnaeus var. ***rubrum*** [Clemants & Mosyakin 2003; M&H]

red goosefoot

rubrum Linnaeus var. ***humile*** (Hooker) S. Watson [Allred 2005; Clemants & Mosyakin 2003]

red goosefoot

Chenopodium humile Hooker

salinum Standley = Chenopodium glaucum Linnaeus var. salinum (Standley) B. Boivin

simplex (Torrey) Rafinesque [Allred 2005; Clemants & Mosyakin 2003; M&H; W&S]

giant-seed goosefoot

Chenopodium hybridum of early Amer. authors, not Linnaeus

Chenopodium hybridum Linnaeus var. *gigantospermum* (Aellen) Rouleau

Chenopodium gigantospermum Aellen

standleyanum Aellen : Reported by M&H and Aellen & Just (1943), based on a large plant of Chenopodium incognitum Wahl (=C. hians Standley) from Rio Arriba County (Wahl 1952-53).

Chenopodium hybridum Linnaeus var. *standleyanum* (Aellen) Fernald

watsonii A. Nelson [Allred 2005; Clemant & Mosyakin 2003; M&H; W&S; Wahl 1952-53]

stinking goosefoot

Chenopodium glabrescens (Aellen) Wahl

Corispermum bugseed

Mosyakin, S.L. 1995. New taxa of *Corispermum* Linnaeus (Chenopodiaceae), with preliminary comments on the taxonomy of the genus in North America. Novon 5:340-353.

Mosyakin, S. 2003. *Corispermum*, pp. 313-321. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

americanum (Nuttall) Nuttall var. ***americanum*** [M&H; Mosyakin 2003; W&S]

American bugseed

Corispermum hyssopifolium Linnaeus var. *americanum* Nuttall

Corispermum imbricatum A. Nelson

Corispermum marginale Rydberg

Corispermum nitidum auct. non Kitaibel ex Schultes

americanum (Nuttall) Nuttall var. ***rydbergii*** Mosyakin [M&H; Mosyakin 1995, 2003]

Rydberg's bugseed

Corispermum marginale auct. non Rydberg

Corispermum nitidum auct. non Kitaibel ex Schultes

emarginatum Rydberg = Corispermum villosum Rydberg

hyssopifolium Linnaeus s.s. : Restricted to southeastern Europe and western Asia; NM plants are referrable to Corispermum americanum (Nuttall) Nuttall (Mosyakin 1995).

hyssopifolium Linnaeus var. *americanum* Nuttall = Corispermum americanum (Nuttall) Nuttall var. americanum

imbricatum A. Nelson = Corispermum americanum (Nuttall) Nuttall

marginale Rydberg = Corispermum americanum (Nuttall) Nuttall

nitidum auct. non Kitaibel ex Schultes = Corispermum americanum (Nuttall) Nuttall

orientale Lamarck s.s. : Missapplied to NM specimens, which are referred to Corispermum villosum Rydberg (Mosyakin 1995).

orientale Lamarck var. *emarginatum* (Rydberg) Macbride = Corispermum villosum Rydberg

****villosum*** Rydberg [M&H; Mosyakin 1995]

hairy bugseed

Corispermum emarginatum Rydberg

Corispermum orientale Lamarck var. *emarginatum* (Rydberg) Macbride

welshii Mosyakin [Mosyakin 1995, 2003]

Welsh's bugseed

Cycloloma tumbleweed

Mosyakin, S.L. 2003. *Cycloloma*, pp. 264-265. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

atriplicifolia (Sprengel) Coulter [M&H; W&S]

winged tumbleweed

Salsola atriplicifolia Sprengel

Salsola platyphylla Michaux

Diotis lanata Pursh = Krascheninnikovia lanata (Pursh) Meeuse & Smits

Dondia diffusa (S. Watson) Heller = Suaeda nigra (Rafinesque) Macbride

depressa auct., non (Pursh) Britton = Suaeda calceoliformis (Hooker) Moquin
erecta of NM authors = Suaeda calceoliformis (Hooker) Moquin
moquini (Torrey) A. Nelson = Suaeda nigra (Rafinesque) Macbride
nigra (Rafinesque) Standley = Suaeda nigra (Rafinesque) Macbride
suffrutescens (S. Watson) Heller = Suaeda nigra (Rafinesque) Macbride
torreyana (S. Watson) Standley = Suaeda nigra (Rafinesque) Macbride

Dysphania wormseed

Clements, S.E. & S.L. Mosyakin, S.L. 2003. *Dysphania*, pp. 267-275. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
Palomino-H., G., M. Segura-D., R. Bye, & P. Mercado-R. 1990. Cytogenetic distinction between *Teloxys* and *Chenopodium* (Chenopodiaceae). Southwestern Naturalist 35(3):351-353.
Wahl, H.A. 1952-53. A preliminary study of the genus *Chenopodium* in North America. Bartonia 27:1-46.
Weber, W.A. 1985. The genus *Teloxys* (Chenopodiaceae). Phytologia 58:477-478.

****ambrosioides*** (Linnaeus) Mosyakin & Clemants [M&H]
Mexican tea
Chenopodium ambrosioides Linnaeus
Teloxys ambrosioides (Linnaeus) W.A. Weber

****botrys*** (Linnaeus) Mosyakin & Clemants [M&H; W&S]
Jerusalem-oak
Chenopodium botrys Linnaeus
Teloxys botrys (Linnaeus) W.A. Weber

graveolens (Willdenow) Mosyakin & Clemants [M&H; W&S; Wahl 1952-53]
fetid goosefoot
Chenopodium cornutum (Torrey) Bentham & Hooker
Chenopodium graveolens Willdenow var. *neomexicanum* (Aellen) Aellen
Chenopodium inciscum Poiret var. *neomexicanum* Aellen
Teloxys graveolens (Willdenow) W.A. Weber

Eurotia lanata (Pursh) Moquin-Tandon = Krascheninnikovia lanata (Pursh) Meeuse & Smit
subspinosa Rydberg = Krascheninnikovia lanata (Pursh) Meeuse & Smit

Grayia hop-sage

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*G. spinosa*]
Holmgren, N. 2003. *Grayia*, pp. 306-307. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

brandegeei Gray var. *plummeri* Stutz & Sanderson = Zuckia brandegeei (Gray) Welsh & Stutz var. plummeri (Stutz & Sanderson) Welsh

spinosa (Hooker) Moquin-Tandon [Heil et al. 2002]
spiny hop-sage

Halogeton halogeton

Holmgren, N.H. 2003. *Halogeton*, pp. 403-404. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

****glomeratus*** (Bieberstein) C. A. Meyer [Holmgren 2003; M&H]
halogeton

Halostachys occidentalis S. Watson = Allenrolfea occidentalis (S. Watson) Kuntze

Kochia kochia

Blackwell, W.H., M.D. Baechle, & G. Williamson. 1978. Synopsis of *Kochia* (Chenopodiaceae) in North America. Sida 7:248-254.
Mosyakin, S. 2003. *Kochia*, pp. 310-312. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
Stevens, R., K.R. Jorgensen, E.D. McArthur, & J.N. Davis. 1985. 'Immigrant' forage kochia. Rangelands 7(1):22-23. [*Kochia prostrata*]

americana S. Watson [M&H; W&S]
green molly

hyssopifolia (Pallas) Schrader = Bassia hyssopifolia (Pallas) Kuntze

****prostrata*** (Linnaeus) Schrader [Stevens et al. 1985]
prostrate summer cypress

****scoparia*** (Linnaeus) Roth [M&H]
Mexican fireweed, kochia
Bassia sieversiana (Pallas) W.A. Weber
Kochia sieversiana (Pallas) C.A. Meyer

sieversiana (Pallas) C.A. Meyer = Kochia scoparia (Linnaeus) Roth

Krascheninnikovia winterfat

Holmgren, N. 2003. *Krascheninnikovia*, pp. 307-308. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
Howell, J.T. 1971. A new name for winterfat. Wasmann J. Biol. 29:105.
Meeuse, A.D.J. & A. Smit. 1971. A new combination in *Krascheninnikovia* (Chenopodiaceae). Taxon 20:644.

lanata (Pursh) Meeuse & Smits [M&H; W&S]
winterfat
Ceratoides lanata (Pursh) J.T. Howell
Diotis lanata Pursh
Eurotia lanata (Pursh) Moquin-Tandon
Eurotia subspinosa Rydberg

Monolepis poverty-weed

Holmgren, N.H. 2003. *Monolepis*, pp. 300-301. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

nuttalliana (Schultes) Greene [Holmgren 2003; M&H; W&S]
Nuttall poverty-weed
Blitum nuttallianum Schultes

Nitrophila occidentalis (Moquin-Tandon) S. Watson : Reported as expected by M&H map; awaits verification.
Obione confertifolia Torrey & Fremont = Atriplex confertifolia (Torrey & Fremont) S. Watson
suckleyana Torrey = Suckleya suckleana (Torrey) Rydberg
Proatriplex pleiantha = Atriplex pleiantha W.A. Weber

Salicornia saltwort

Ball, P.W. 2003. *Salicornia*, pp. 382-384. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
Hershey, A.L. & P.J. Leyendecker, Jr. 1944. Notes on plants of New Mexico -- III. Leafl. West. Bot. 4(2):21-25. [*Salicornia rubra*]
Scott. A.J. 1977. Reinstatement and revision of Salicorniaceae. Bot. J. Linn. Soc. 75:357-374.

bigelovii Torrey : Reported by M&H, but this is a coastal species only, and not found in NM (Ball 2003).
ruba A. Nelson [Ball 2003; Hershey & Leyendecker 1944; M&H]
red saltwort
Salicornia europaea Linnaeus subsp. *rubra* (A. Nelson) Breitung
europaea Linnaeus subsp. *rubra* (A. Nelson) Breitung = Salicornia rubra A. Nelson
occidentalis (S. Watson) Greene = Allenrolfea occidentalis (S. Watson) Kuntze
utahensis Tidestrom = Sarcocornia utahensis (Tidestrom) A.J. Scott

Salsola Russian-thistle

Forbes, A.C. & K.W. Allred. 1999. An Investigation of *Salsola* Linnaeus (Chenopodiaceae) in New Mexico. The New Mexico Botanist 12:4-7.
Heil, K. & K.W. Allred. 2000. New plant distribution records. The New Mexico Botanist 16:7. [*Salsola paulsenii*]
Mosyakin, S.L. 1996. A taxonomic synopsis of the genus *Salsola* (Chenopodiaceae) in North America. Ann. Missouri Bot. Gard. 83:387-395.
Mosyakin, W. 2003. *Salsola*, pp. 398-403. IN: Flora of North America, vol. 4, pt. 1. Oxofrd University Press, New York.

australis R. Brown = Salsola tragus Linnaeus
atriplicifolia Sprengel = Cycloloma atriplicifolia (Sprengel) Coulter
****collina*** P.S. Pallas [Forbes & Allred 1999; Mosyakin 2003]
slender Russian-thistle
depressa auct., non (Pursh) S. Watson = Suaeda calceoliformis (Hooker) Moquin
iberica (Sennen & Pau) Botschantzev ex Czerepanov = Salsola tragus Linnaeus
kali Linnaeus s.s. : Found only in coastal areas, not in NM.
kali Linnaeus var. *tenuifolia* Moquin-Tandon = Salsola tragus Linnaeus
****paulsenii*** Litvinov [Heil & Allred 2000]
barbwire Russian-thistle
pestifer A. Nelson = Salsola tragus Linnaeus
platyphylla Michaux = Cycloloma atriplicifolia (Sprengel) Coulter
****tragus*** Linnaeus [Forbes & Allred 1999; M&H; W&S]
Russian-thistle
Salsola australis R. Brown
Salsola kali Linnaeus var. *tenuifolia* Moquin-Tandon
Salsola iberica (Sennen & Pau) Botschantzev ex Czerepanov
Salsola pestifer A. Nelson

Sarcobatus greasewood

vermiculatus (Hooker) Torrey [M&H; W&S]
greasewood
Batis vermiculatus Hooker

Sarcocornia glasswort

Ball, P.W. 2003. *Sarcocornia*, pp. 384-387. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
Hershey, A.L. & P.J. Leyendecker, Jr. 1944. Notes on plants of New Mexico -- III. Leafl. West. Bot. 4(2):21-25. [*Salicornia utahensis*]

utahensis (Tidestrom) A.J. Scott [Ball 2003; Hershey & Leyendecker 1944; M&H]
Utah glasswort
Salicornia utahensis Tidestrom

Suaeda seepweed

Bassett, I.J. & C.W. Crompton. 1978. The genus *Suaeda* in Canada. Can. J. Bot. 56:581-591.
Ferren, W.R. Jr. & H.J. Schenk. 2003. *Suaeda*, pp. 390-398. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
Hopkins, C.O. & W.H. Blackwell, Jr. 1977. Synopsis of *Suaeda* (Chenopodiaceae) in North America. Sida 7:147-173.
McNeill, J., I.J. Bassett, & C.W. Crompton. 1977. *Suaeda calceoliformis*, the correct name for *Suaeda depressa* auct. Rhodora 79:133-137.
Schenk, H.J. & W.R. Ferren, Jr. 2001 On the sectional nomenclature of *Suaeda* (Chenopodiaceae). Taxon 50:857-873.

calceoliformis (Hooker) Moquin-Tandon [Ferren & Schenk 2003; M&H; W&S]
low seepweed
Dondia depressa auct., non (Pursh) Britton
Dondia erecta of NM authors
Salsola depressa auct., non Pursh
Suaeda depressa auct., non (Pursh) S. Watson
Suaeda occidentalis (Watson) Watson
depressa auct., non (Pursh) S. Watson = Suaeda calceoliformis (Hooker) Moquin
diffusa S. Watson = Suaeda nigra (Rafinesque) Macbride
fruticosa sensu M&H = Suaeda nigra (Rafinesque) Macbride
moquinii (Torrey) Greene = Suaeda nigra (Rafinesque) Macbride
nigra (Rafinesque) Macbride [Ferren & Schenk 2003; M&H; W&S]
shrubby seepweed
Chenopodium nigrum Rafinesque
Dondia diffusa (S. Watson) Heller

Dondia moquini (Torrey) A. Nelson
Dondia nigra (Rafinesque) Standley
Dondia suffrutescens (S. Watson) Heller
Dondia torreyana (S. Watson) Standley
Suaeda diffusa S. Watson
Suaeda fruticosa sensu M&H
Suaeda moquinii (Torrey) Greene
Suaeda nigrescens I.M. Johnston var. *glabra* I.M. Johnston
Suaeda suffrutescens S. Watson
Suaeda suffrutescens S. Watson var. *detonsa* Johnston
Suaeda torreyana S. Watson
Suaeda torreyana S. Watson var. *ramosissima* (Standley) Munz

nigrescens I.M. Johnston var. *glabra* I.M. Johnston = Suaeda nigra (Rafinesque) Macbride
occidentalis (Watson) Watson = Suaeda calceoliformis (Hooker) Moquin-Tandon
suffrutescens S. Watson = Suaeda nigra (Rafinesque) Macbride
suffrutescens S. Watson var. *detonsa* Johnston = Suaeda nigra (Rafinesque) Macbride
torreyana S. Watson = Suaeda nigra (Rafinesque) Macbride
torreyana S. Watson var. *ramosissima* (Standley) Munz = Suaeda nigra (Rafinesque) Macbride

Suckleya suckleya

Chu, G. 2003. *Suckleya*, pp. 305-306. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
Chu, G.L., H.C. Stutz, & S.C. Sanderson. 1991. Morphology and taxonomic position of *Suckleya suckleyana* (Chenopodiaceae). Amer. J. Bot. 78(1):63-68.
Hershey, A.L. & P.J. Leyendecker, Jr. 1944. Notes on plants of New Mexico -- III. Leafl. West. Bot. 4(2):21-25.

suckleyana (Torrey) Rydberg [Chu 2003; Hershey & Leyendecker 1944; M&H]
poison suckleya
Obione suckleyana Torrey

Teloxys ambrosioides (Linnaeus) W.A. Weber = Dysphania ambrosioides (Linnaeus) Mosyakin & Clemants
botrys (Linnaeus) W.A. Weber = Dysphania botrys (Linnaeus) Mosyakin & Clemants
graveolens (Willdenow) W.A. Weber = Dysphania graveolens (Willdenow) Mosyakin & Clemants

Zuckia siltbush

McIntosh, L. 1985. Noteworthy collections (New Mexico). Madroño 32:192. [*Zuckia brandegeei*]
Stutz, H.C. & G.-L. Chu. 1987. Chromosome races of *Grayia brandegeei* (Chenopodiaceae). Madroño 34:142-149.
Welsh, S.L. 2003. *Zuckia*, pp. 303-305. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

brandegeei (Gray) Welsh & Stutz ex Welsh var. ***plummeri*** (Stutz & Sanderson) Dorn [McIntosh 1985; Stutz & Chu 1987; Welsh 2003]
siltbush
Grayia brandegeei Gray var. *plummeri* Stutz & Sanderson

Family CICHORIACEAE = ASTERACEAE

Family CISTACEAE

Lechea lechea

Worthington, R.D. 2000. New plant distribution records. The New Mexico Botanist 14:4. [*Lechea tenuifolia*]

tenuifolia Michaux [Worthington 2000]
pinweed

Family CLEOMACEAE

Hall, J.C., K.J. Systma, & H.H. Iltis. 2002. Phylogeny of Capparaceae and Brassicaceae based on chloroplast sequence data. Amer. J. Bot. 89:1826-1842.
Iltis, H.H. 1958. Studies in the Capparidaceae V. Capparidaceae of New Mexico. Southw. Naturalist 3:133-44.

Cleome beeplant

integrifolium Torrey & Gray = Cleome serrulata Pursh

lutea Hooker [Iltis 1958; M&H; W&S]
yellow spider-flower
Peritoma breviflorum Wooton & Standley
Peritoma luteum (Hooker) Rafinesque

multicaulis A.P. de Candolle [Iltis 1958; M&H]
slender spider-flower
Cleome sonorae Gray
Peritoma sonorae (Gray) Rydberg

serrulata Pursh [Iltis 1958; M&H; W&S]
Rocky Mountain beeplant
Cleome integrifolium Torrey & Gray
Peritoma serrulatum (Pursh) A.P. de Candolle

sonorae Gray = Cleome multicaulis A.P. de Candolle
uniglandulosa Cavanilles = Polanisia dodecandra (Linnaeus) A.P. de Candolle subsp. uniglandulosa (Cavanilles) Iltis

Cleomella stinkweed

Holmgren, P.K. & A. Cronquist. 2005. Cleomella, p.1661-172. IN: Holmgren, N.H., P.K. Holmgren, & A. Cronquist. Intermountain Flora, vol. 2, pt. B. [Cleomella obtusifolia]

longipes Torrey [M&H; W&S]

Chiricahua Mountain stinkweed
*__obtusifolia__ Torrey & Fremont [Homgren & Cronquist 2005]
Mojave stinkweed
__palmerana__ M.E. Jones [Sivinski et al. 1995]
Rocky Mountain stinkweed
Koeberlinia = see Koeberliniaceae
Peritoma breviflorum Wooton & Standley = Cleome lutea Hooker
luteum (Hooker) Rafinesque = Cleome lutea Hooker
serrulatum (Pursh) A.P. de Candolle = Cleome serrulata Pursh
sonorae (Gray) Rydberg = Cleome multicaulis A.P. de Candolle
__Polanisia__ clammyweed
Willson, J., R. Spellenberg, & H. Wolfe. 1979. Noteworthy collections (New Mexico). Madroño 26:48. [*Polanisia jamesii*]
__dodecandra__ (Linnaeus) A.P. de Candolle subsp. __trachysperma__ (Torrey & Gray) Iltis [Iltis 1958; M&H; W&S]
red-whisker clammyweed
Polanisia trachysperma Torrey & Gray
__dodecandra__ (Linnaeus) A.P. de Candolle subsp. __uniglandulosa__ (Cavanilles) Iltis [Iltis 1958; M&H; W&S]
red-whisker clammyweed
Cleome uniglandulosa Cavanilles
Polanisia uniglandulosa (Cavanilles) A.P. de Candolle
__jamesii__ (Torrey & Gray) Iltis [Willson et al. 1979]
James's clammyweed
trachysperma Torrey & Gray = Polanisia dodecandra (Linnaeus) A.P. de Candolle subsp. dodecandra var. trachysperma (Torrey & Gray) Iltis
uniglandulosa (Cavanilles) A.P. de Candolle = Polanisia dodecandra (Linnaeus) A.P. de Candolle subsp. uniglandulosa (Cavanilles) Iltis
__Wislizenia__ jack-ass clover
__refracta__ Engelmann [Iltis 1958; M&H; W&S]
jack-ass clover

Family CLUSIACEAE (GUTTIFERAE)

[Hypericaceae]

__Hypericum__ St. John's-wort
Robson, N.K.B. 2002. Studies in the genus *Hypericum* L. (Guttiferae) 4(2). Section 9. *Hypericum* sensu lato (part 2): subsection 1. *Hypericum* series 1. *Hypericum*. Bull Nat. Hist. Mus., Bot. 32:61-123.
Peterson, R.S. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Hypericum perforatum*]
formosum Kunth : Robson (2002) applies this name to central Mexican populations distinct from ours.
__scouleri__ Hooker [M&H; W&S]
St. John's-wort
Hypericum formosum Kunth var. *scouleri* (Hooker) Coulter
formosum Kunth var. *scouleri* (Hooker) Coulter = Hypericum scouleri Hooker
__perforatum__ Linnaeus [Peterson 2000]
St. John's-wort, Klamath weed

Family COCHLOSPERMACEAE = BIXACEAE

Family COMPOSITAE = ASTERACEAE

Family CONVOLVULACEAE

[Dichondraceae]

Austin, D.F. 1990. Annotated checklist of New Mexican Convolvulaceae. Sida 14(2):273-286.
__Calystegia__ hedge bindweed
__macounii__ (Greene) Brummitt [Austin 1990]
Macoun's bindweed
*__sepium__ (Linnaeus) R. Brown subsp. __angulata__ Brummitt [Austin 1990; M&H; W&S]
hedge bindweed
Convoluvulus sepium Linnaeus
__Convolvulus__ bindweed
*__arvensis__ Linnaeus [Austin 1990; M&H; W&S]
field bindweed
__equitans__ Bentham [Austin 1990; M&H; W&S]
Texas bindweed
Convolvulus incanus Vahl
incanus Vahl = Convolvulus equitans Bentham
sepium Linnaeus = Calystegia sepium (Linnaeus) R. Brown subsp. angulata Brummitt
__Cressa__ alkali-weed
__truxillensis__ Humboldt, Bonpland, & Kunth [Austin 1990; M&H; W&S]
alkali-weed

Cressa truxillensis Humboldt, Bonpland, & Kunth var. *vallicola* (Heller) Munz
Cressa vallicola Heller
truxillensis Humboldt, Bonpland, & Kunth var. *vallicola* (Heller) Munz = Cressa truxillensis Humboldt, Bonpland, & Kunth
vallicola Heller = Cressa truxillensis Humboldt, Bonpland, & Kunth
Cuscuta = see CUSCUTACEAE
Dichondra pony's-foot
argentea Humboldt & Bonpland ex Willdenow [Austin 1990; M&H; W&S]
silver pony's-foot
brachypoda Wooton & Standley [Austin 1990; M&H; W&S]
New Mexico pony's-foot
Evolvulus morning-glory
alsinoides Linnaeus var. ***angustifolius*** Torrey [Austin 1990; M&H; W&S]
slender morning-glory
Evolvulus linifolius Linnaeus
argenteus Pursh = Evolvulus nuttallianus Roemer & Schultes
arizonicus Gray [Austin 19909; M&H; W&S]
Arizona morning-glory
Evolvulus arizonicus Gray var. *laetus* (Gray) van Oostr.
Evolvulus laetus Gray
arizonicus Gray var. *laetus* (Gray) van Oostr. = Evolulus arizonicus Gray
laetus Gray = Evolvulus arizonicus Gray
linifolius Linnaeus = Evolvulus alsinoides Linnaeus var. angustifolius Torrey
nuttallianus Roemer & Schultes [Austin 1990; M&H; W&S]
shaggy morning-glory
Evolvulus argenteus Pursh
Evolvulus oreophilus Greene
Evolvulus pilosus Nuttall
oreophilus Greene = Evolvulus nuttallianus Roemer & Schultes
pilosus Nuttall = Evolvulus nuttallianus Roemer & Schultes
sericeus Swartz var. *discolor* (Bentham) Gray = Evolvulus sericeus Swartz var. sericeus
sericeus Swartz var. ***sericeus*** [Austin 1990; M&H; W&S]
silvery morning-glory
Evolvulus sericeus Swartz var. *discolor* (Bentham) Gray
Evolvulus wilcoxianus House
wilcoxianus House = Evolvulus sericeus Swartz var. sericeus
Ipomoea morning-glory
McDonald, A. 1984. *Ipomoea dumetorum* (Convolvulaceae): an amphitropical disjunct morning glory in the southwestern United States. Sida 10:252-254.
McDonald, J.A. 1995. Revision of *Ipomoea* section *Leptocallis* (Convolvulaceae). Harvard Papers in Botany 6:97-122.
Soreng, R. & R. Spellenberg. 1981. Noteworthy collections (New Mexico). Madroño 28:87-88. [*Ipomoea plummerae* var. *cuneifolia*]
barbatisepala Gray [Austin 1990; M&H]
canyon morning-glory
capillacea (Humboldt, Bonpland, & Kunth) G. Don [Austin 1990; M&H; W&S]
purple morning-glory
Ipomoea muricata Cavanilles
Ipomoea patens (Gray) House
cardiophylla Gray [Austin 1990; M&H; W&S]
dutchman's-pipe morning-glory
coccinea auct., non Linnaeus var. *coccinea* = Ipomoea cristulata H. Hall.
coccinea auct., non Linnaeus var. *hederifolia* (Linnaeus) Gray = Ipomoea cristulata H. Hall.
costellata Torrey [Austin 1990; M&H; W&S]
crested morning-glory
cristulata H. Hall [Austin 1990; M&H; W&S]
Trans-Pecos morning-glory
Ipomoea coccinea auct., non Linnaeus var. *coccinea*
Ipomoea coccinea auct., non Linnaeus var. *hederifolia* (Linnaeus) Gray
Quamoclit coccinea (auct., non Linnaeus) Moench
Quamoclit hederifolia (auct., non Linnaeus) Choisy
desertorum House = Ipomoea purpurea (Linnaeus) Roth
dumetorum Willdenow ex Roemer & Schultes [Austin 1990; McDonald 1984]
railway-creeper
egregia House = Ipomoea plummerae Gray var. cuneifolia (Gray) Macbride
****hederacea*** (Linnaeus) Jacquin [Austin 1990; M&H]
ivy-leaf morning-glory
Pharbitis hederacea (Linnaeus) Choisy
hirsutula Jacquin f. = Ipomoea purpurea (Linnaeus) Roth
leptophylla Torrey [Austin 1990; M&H; W&S]

bush morning-glory
leptotoma Torrey = Ipomoea ternifolia Cavanilles var. leptotoma (Torrey) McDonald
lindheimeri Gray [Austin 1990; M&H; W&S]
Lindheimer's morning-glory
Pharbitis lindheimeri (Gray) Small
longifolia Bentham : Reported by M&H, but not occurring in NM (Austin 1990).
mexicana Gray = Ipomoea purpurea (Linnaeus) Roth
muricata Cavanilles = Ipomoea capillacea (Humboldt, Bonpland, & Kunth) G. Don
patens (Gray) House = Ipomoea capillacea (Humboldt, Bonpland, & Kunth) G. Don
plummerae Gray var. ***cuneifolia*** (Gray) Macbride [Austin 1990; McDonald 1995; Soreng & Spellenberg 1981]
Huachuca morning-glory
Ipomoea egregia House
plummerae Gray var. ***plummerae*** [Austin 1990]
Plummer's morning-glory
pubescens Lamarck [Austin 1990]
silky morning-glory
****purpurea*** (Linnaeus) Roth [Austin 1990; M&H; W&S]
common morning-glory
Ipomoea desertorum House
Ipomoea hirsutula Jacquin f.
Ipomoea mexicana Gray
tenuiloba Torrey var ***tenuiloba*** [Austin 1990; M&H; W&S]
spiderleaf
ternifolia Cavanilles var. ***leptotoma*** (Torrey) McDonald [Austin 1990; M&H]
three-leaf morning-glory
Ipomoea leptotoma Torrey
Pharbitis hederacea (Linnaeus) Choisy = Ipomoea hederacea (Linnaeus) Jacquin
lindheimeri (Gray) Small = Ipomoea lindheimeri Gray
Quamoclit coccinea (auct., non Linnaeus) Moench = Ipomoea cristulata H. Hall.
hederifolia (auct., non Linnaeus) Choisy = Ipomoea cristulata H. Hall.

Family CORRIGIOLACEAE = CARYOPHYLLACEAE

Family CORNACEAE

Cornus dogwood
Eyde, R.H. 1987. The case for keeping *Cornus* in the broad Linnaean sense. Syst. Bot. 12:509-518.
Ferguson, I.K. 1966. Notes on the nomenclature of *Cornus*. J. Arnold Arbor. 47:100-105.
canadensis Linnaeus [M&H]
Canadian bunchberry
instolonea A. Nelson = Cornus stolonifera Michaux
sericea Linnaeus subsp. ***sericea*** [M&H; W&S]
red-osier dogwood
Cornus instolonea A. Nelson
Cornus sericea Linnaeus subsp. *stolonifera* (Michaux) Fosberg
Cornus stolonifera Michaux
sericea Linnaeus subsp. *stolonifera* (Michaux) Fosberg = Cornus sericea Linnaeus subsp. sericea
stolonifera Michaux = Cornus sericea Linnaeus subsp. sericea
Garrya = see GARRYACEAE

Family CRASSULACEAE

Clementsia rhodantha (Gray) Rose = Sedum rhodanthum Gray
Cotyledon rusbyi Greene = Graptopetalum rusbyi (Greene) Rose
Graptopetalum leather-petal
Sivinski, R. & K. Lightfoot, eds. 1994. Inventory of rare and endangered plants of New Mexico. New Mexico Forestry and Resources Conservation Division, Misc. Publ. No. 3. [*Graptopetalum rusbyi*]
rusbyi (Greene) Rose [Sivinski & Lightfoot 1994]
Rusby's leather-petal
Cotyledon rusbyi Greene
Rhodiola integrifolia Rafinesque = Sedum integrifolium (Rafinesque) A. Nelson subsp. integrifolium
neomexicana Britton = Sedum integrifolium (Rafinesque) A. Nelson subsp. neomexicanum (Britton) Clausen
polygama (Rydberg) Britton & Rose = Sedum integrifolium (Rafinesque) A. Nelson subsp. neomexicanum (Britton) Clausen
Sedum stonecrop
Clausen, R.T. 1975. *Sedum* of North America North of the Mexican Plateau. Cornell University Press, Ithaca, New York. 742 pp.
Clausen, R.T. 1979. *Sedum* in six areas of the Mexican Cordilleran Plateau. Bull. Torrey Bot. Club 106(3):205-216.
cockerellii Britton [Clausen 1975; M&H; W&S]
Cockerell's stonecrop
Sedum griffithsii Rose

Sedum wootonii Britton

griffithsii Rose = Sedum cockerellii Britt

integrifolium (Rafinesque) A. Nelson subsp. ***integrifolium*** [Clausen 1975; M&H]

rosewort

Rhodiola integrifolia Rafinesque

Thodiola integrifolia Rafinesque

+integrifolium (Rafinesque) A. Nelson subsp. ***neomexicanum*** (Britton) Clausen [Clausen 1975; M&H; W&S]

New Mexico rosewort

Rhodiola neomexicana Britton

Rhodiola polygama (Rydberg) Britton & Rose

integrifolium (Rafinesque) A. Nelson subsp. ***procerum*** Clausen [Clausen 1975]

rosewort

lanceolatum Torrey subsp. ***lanceolatum*** [Clausen 1975; M&H; W&S]

rosewort

Sedum stenopetalum sensu W&S

rhodanthum Gray [Clausen 1975; M&H; W&S]

queen's-crown

Clementsia rhodantha (Gray) Rose

rosea (Linnaeus) Scopoli : Reported by Correll & Correll (1972), but this species occurs far to the east of NM (Clausen 1975).

stelliforme S. Watson [Clausen 1975; M&H; W&S]

Huachuca Mountain stonecrop

stenopetalum sensu W&S = Sedum lanceolatum Torrey

wootonii Britton = Sedum cockerellii Britton

wrightii Gray subsp. ***priscum*** R.T. Clausen [Clausen 1975, 1979; M&H; W&S]

Wright's stonecrop

Tillaea aquatica Linnaeus [*Crassula aquatica* (Linnaeus) Schoenlein] : The report by Adams (1998) was in error; M&H list the name questionably for NM; awaits verification.

Thodiola integrifolia Rafinesque = Sedum integrifolium (Rafinesque) A. Nelson subsp. integrifolium

Family CROSSOSOMATACEAE

Apacheria Apache-bush

Knight, P.J., C.R. Wahl, & R. Fletcher. 1984. Noteworthy collections (New Mexico). Madroño 31:63.

Spellenberg, R., M. Mahrt & R. Brozka. 1991. Noteworthy collections, New Mexico. Madroño 38:298-301.

chiricahuensis Mason [Knight et al. 1984; Spellenberg et al. 1991]

Apache-bush

Forsellesia planitierum Ensign = Glossopetalon planitierum (Ensign) St. John

spinescens (Gray) Greene = Glossopetalon spinescens Gray

Glossopetalon greasebush

Brooks, R.E. 1984. An addition to the New Mexico flora, *Glossopetalon planitierum* (Crossosomataceae). Sida 10:321-322.

Holmgren, N. 1988. *Glossopetalon* (Crossosomataceae) and a new variety of *G. spinescens* from the Great Basin, U.S.A. Brittonia 40:269-274.

planitierum (Ensign) St. John [Brooks 1984]

plains greasebush

Forsellesia planitierum Ensign

spinescens Gray [M&H; W&S]

spiny greasebush

Forsellesia spinescens (Gray) Greene

Family CRUCIFERAE = BRASSICACEAE

Family CUCURBITACEAE

Jeffrey, C. 1990. Appendix: An outline classification of the Cucurbitaceae, pp. 449-463. IN: D.M. Bates, R.W. Robinson, & C. Jeffrey, eds. Biology and utilization of the Cucurbitaceae. Cornell University Press, Ithaca, NY.

Apodanthera melon-loco

undulata Gray [M&H; W&S]

melon-loco

Citrullus watermelon

Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Citrullus vulgaris* var. *citroides*]

citrullus (Linnaeus) Small = Citrullus lanatus (Thunberg) Matsumura & Nakai var. lanatus

lanatus (Thunberg) Matsumura & Nakai var. ***citroides*** (Bailey) Mansf. [Spellenberg et al. 1986]

citron

Citrullus vulgaris Schrader var. *citroides* Bailey

lanatus (Thunberg) Matsumura & Nakai var. ***lanatus*** [M&H; W&S]

watermelon

Citrullus citrullus (Linnaeus) Small

Citrullus vulgaris Schrader

vulgaris Schrader = Citrullus lanatus (Thunberg) Matsumura & Nakai var. lanatus

vulgaris Schrader var. *citroides* Bailey = Citrullus lanatus (Thunberg) Matsumura & Nakai var. citroides (Bailey) Mansf.

Cucumis melon

Hershey, A.L. 1938. Notes on plants of New Mexico -- 1. Leaflets of Western Botany 2(8):138. [*Cucumis myriocarpus*]

Kirkbride, J.H. 1993. Biosystematic monograph of the genus *Cucumis* (Cucurbitaceae): botanical identification of cucumbers and melons. Boone, N.C.: Parkway Publishers.

****melo*** Linnaeus [M&H; W&S]
cantaloupe, melon

myriocarpus Naudin : Reported by Hershey (1938) from around farms near Lovington, but probably only a one-time escape and not known to have persisted in the wild in NM.

Cucurbita gourd

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*C. pepo pepo*]

Sivinski, R. & K. Lightfoot, eds. 1994. Inventory of rare and endangered plants of New Mexico. New Mexico Forestry and Resources Conservation Division, Misc. Publ. No. 3. [*Cucurbita texana*]

digitata Gray [M&H; W&S]
finger-leaf gourd

foetidissima Humboldt, Bonpland, & Kunth [M&H; W&S]
buffalo gourd
Cucurbita perennis Gray
Pepo foetidissima (Humboldt, Bonpland, & Kunth) Britton

****pepo*** Linnaeus var. ***pepo*** [Heil et al. 2002]
field pumpkin

pepo Linnaeus var. ***texana*** (Scheele) Decker [Sivinski & Lightfoot 1994]
field pumpkin

perennis Gray = Cucurbita foetidissima Humboldt, Bonpland, & Kunth

Cyclanthera cyclanthera

Wagner, W.L. 1979. New records to the Animas Mountain flora, New Mexico. Southw. Naturalist 24(2):291-296. [*Cyclanthera dissecta*]

dissecta (Torrey & Gray) Arnott [M&H; Wagner 1979]
cut-leaf cyclanthera

Echinocystis wild cucumber

gilensis Greene = Marah gilensis (Greene) Greene

lobata (Michaux) Torrey & Gray [M&H]
wild cucumber
Micrampelis lobata (Michaux) Greene

wrightii (Gray) Cogniaux = Echinopepon wrightii (Gray) S. Watson

Echinopepon balsam-apple

Stocking, K.M. 1955. Some considerations of the genera *Echinocystis* and *Echinopepon* in the United States and northern Mexico. Madroño 13:84-100. [*Echinopepon coulteri*]

confusus Rose = Echinopepon wrightii (Gray) S. Watson

coulteri (Gray) Rose [Stocking 1955]
Coulter's balsam-apple

wrightii (Gray) S. Watson [M&H; W&S]
Wright's balsam-apple
Echinocystis wrightii (Gray) Cogniaux
Echinopepon confusus Rose
Elaterium wrightii Gray

Elaterium wrightii Gray = Echinopepon wrightii (Gray) S. Watson

Ibervillea globeberry

Kearns, D.M. 1994. The genus *Ibervillea* (Cucurbitaceae): An enumeration of the species and two new combinations. Madroño 41(1):13-22.

lindheimeri (A. Gray) Greene [Kearns 1994]
Lindheimer's globeberry
Ibervillea tripartita (Naud.) Greene

tenuisecta (Gray) Small [M&H; W&S]
deer-apples
Sicydium lindheimeri Gray var. *tenuisectum* Gray

tripartita (Naud.) Greene = Ibervillea lindheimeri (A. Gray) Greene

Marah manroot

gilensis (Greene) Greene [M&H; W&S]
Gila manroot
Echinocystis gilensis Greene
Megarrhiza gilensis Greene
Micrampelis gilensis (Greene) Britton

Megarrhiza gilensis Greene = Marah gilensis (Greene) Greene

Micrampelis gilensis (Greene) Britton = Marah gilensis (Greene) Greene

lobata (Michaux) Greene = Echinocystis lobata (Michaux) Torrey & Gray

Momordica balsam-apple

Spellenberg, R. 1996. New plant distribution records. The New Mexico Botanist 4:8. [*Momordica balsamina*]

*__balsamina__ Linnaeus [Spellenberg 1996]
balsam-apple
Pepo foetidissima (Humboldt, Bonpland, & Kunth) Britton = Cucurbita foetidissima Humboldt, Bonpland, & Kunth
Sicydium lindheimeri Gray var. *tenuisectum* Gray = Ibervillea tenuisecta (Gray) Small
__Sicyos__ bur-cucumber
__ampelophyllus__ Wooton & Standley [M&H; W&S]
streamside bur-cucumber
Sicyos laciniatus Linnaeus var. *subintigera* Cogniaux
__glaber__ Wooton [M&H; W&S]
smooth bur-cucumber
laciniatus Linnaeus var. *subintigera* Cogniaux = Sicyos ampelophyllus Wooton & Standley
__parviflorus__ Willdenow [M&H; W&S]
small bur-cucumber
__Sicyosperma__ arrowheads
__gracile__ Gray [M&H]
climbing arrowheads

Family CUSCUTACEAE

Austin, D.F. 1986. Cuscutaceae, pp. 661-666. IN: Great Plains Flora Association. Flora of the Great Plains. University Press of Kansas, Lawrence.

__Cuscuta__ dodder

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Cuscuta applanata*, *C. cuspidata*]
Costea, M., G.L. Nesom, & S. Stefanovic. 2006. Taxonomy of the *Cuscuta pentagona* complex (Convolvulaceae) in North America. Sida 22(1):151-176.
Costea, M., G.L. Nesom, & S. Stefanovic. 2006. Taxonomy of the *Cuscuta salina-californica* complex (Convolvulaceae). Sida 22(1):177-195.
Costea, M., G.L. Nesom, & S. Stefanovic. 2006. Taxonomy of *Cuscuta gronovii* and *Cuscuta umbrosa* (Convolvulaceae). Sida 22(1):197-207.
Costea, M., G.L. Nesom, & S. Stefanovic. 2006. Taxonomy of the *Cuscuta indecora* (Convolvulaceae) complex in North America. Sida 22(1):209-225.
Peterson, R.S. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Cuscuta warneri*]
Yuncker, T.G. 1921. Revision of the North American and West Indian species of *Cuscuta*. Ill. Biol. Monogr. 6:7-141.
Yuncker, T.G. 1932. The genus *Cuscuta*. Memoirs of the torrey Botanical Club 18(2): 113 - 331. [*Cuscuta fasciculata, C. approximata urceolata*]
Yuncker, T.G. 1965. Cuscuta. North American Flora, ser. II, pt 4:1-51.

__applanata__ Engelmann [Allred 1999]
Gila River dodder
*__approximata__ Babington [Yuncker 1932]
alfalfa dodder
Cuscuta approximata Babington var. *urceolata* (Kunze) Yuncker
approximata Babington var. *urceolata* (Kunze) Yuncker = Cuscuta approximata Babington
__campestris__ Yuncker [Costea et al. 2006; M&H]
field dodder
Cuscuta pentagona Engelmann var. *calycina* Engelmann
Cuscuta pentagona Engelmann var. *pubescens* (Engelmann) Yuncker
__cephalanthii__ Engelmann [M&H]
buttonbush dodder
__coryli__ Engelmann [Costea et al. 2006; M&H]
hazel dodder
curta (Engelmann) Rydberg = Cuscuta megalocarpa Rydberg
__cuspidata__ Engelmann [Allred 1999]
cusp dodder
*__epithymum__ Linnaeus [M&H]
clover dodder
+__fasciculata__ Yuncker [Yuncker 1932]
clustered dodder
__glabrior__ (Engelmann) Yuncker [M&H]
smooth dodder
Cuscuta pentagona Engelmann var. *glabrior* (Engelmann) Gandhi, Thomas & Hatch
__glomerata__ Choisy [Yuncker 1932]
rope dodder
__gronovii__ Willdenow ex J.A. Schultes var. __gronovii__ [Costea et al. 2006; M&H]
scaldweed
__gronovii__ Willdenow ex J.A. Schultes var. __latiflora__ Engelmann [Costea et al. 2006]
scaldweed
__indecora__ Choisy [Costea et al. 2006; M&H]
large-seed dodder
__leptantha__ Engelmann [M&H]
slender dodder
__megalocarpa__ Rydberg [M&H]
big-fruit dodder
Cuscuta curta (Engelmann) Rydberg

mitriformis Engelmann : Reported as expected by M&H map; awaits verification.
pentagona Engelmann var. *calycina* Engelmann = Cuscuta campestris Yuncker
pentagona Engelmann var. *glabrior* (Engelmann) Gandhi, Thomas & Hatch = Cuscuta glabrior (Engelmann) Yuncker
pentagona Engelmann s.s. : Not known from NM (Costea et al. 2006).
pentagona Engelmann var. *pubescens* (Engelmann) Yuncker = Cuscuta glabrior (Engelmann) Yuncker
potosina Schaffner var. ***globifera*** Yuncker [Yuncker 1921, 1965]
globe dodder
salina Engelmann [Costea et al. 2006; M&H]
goldenthread
squamata Engelmann [M&H]
scale-flower dodder
*suaveolens Seringe : Reported without documentation by Kartesz (1999); awaits verification.
tuberculata Brandegee [Yuncker 1921, 1965]
popcorn dodder
umbrosa Beyrich ex Hooker [Costea et al. 2006]
pale dodder
umbellata Humboldt, Bonpland, & Kunth [M&H]
flat-globe dodder
warneri Yuncker [Costea et al. 2006; Peterson 2000]
Warner's dodder

Family DICHONDRACEAE = CONVOLVULACEAE

Family DIPSACACEAE

Laferrire, J.E. 1994. Dipsacaceae. J. Ariz.-Nev. Acad. Sci. 27(2):201-202.
McClintock, E. 1993. Dipsacaceae. p. 540-541, IN J.C. Hickman (editor). The Jepson Manual: Higher Plants of California. Univ. California Press.

Dipsacus teasel
****fullonum*** Linnaeus subsp. ***sylvestris*** (Hudson) Clapham [M&H; W&S]
teasel
Dipsacus sylvestris Hudson
sylvestris Hudson = Dipsacus fullonum Linnaeus subsp. sylvestris (Hudson) Clapham

Family EHRETIACEAE = BORAGINACEAE

Family ELAEAGNACEAE

Graham, S.A. 1964. The Elaeagnaceae in the southeastern United States. J. Arnold Arbor. 45:274-278.

Elaeagnus oleaster
****angustifolia*** Linnaeus [M&H; W&S]
Russian olive
Lepargyrea argentea (Pursh) Greene = Shepherdia argentea (Pursh) Nuttall
canadensis (Linnaeus) Greene = Shepherdia canadensis (Linnaeus) Nuttall
Shepherdia buffalo-berry
argentea (Pursh) Nuttall [M&H; W&S]
silver buffalo-berry
Lepargyrea argentea (Pursh) Greene
canadensis (Linnaeus) Nuttall [M&H; W&S]
russet buffalo-berry
Lepargyrea canadensis (Linnaeus) Greene

Family ELATINACEAE

Tucker, G.C. 1986. The genera of Elatinaceae in the southeastern United States. J. Arnold Arbor. 67:471-483.

Bergia bergia
texana (Hooker) Seubert ex Walpers [M&H]
Texas bergia
Elatine waterwort
americana (Pursh) Arnott : This taxon occurs to the east of NM; our material is referred to Elatine rubella Rydberg
americana of NM works = Elatine rubella Rydberg
brachysperma Gray [M&H]
short-seed waterwort
Elatine triandra Schkuhr. var. *brachysperma* (Gray) Fassett
rubella Rydberg [M&H; W&S]
red-stem waterwort
Elatine americana of NM works
Elatine triandra of NM works
triandra of NM works = Elatine rubella Rydberg

triandra Schkuhr var. americana (Pursh) Fassett : This taxon occurs to the east of NM; our material referred to Elatine rubella Rydberg
triandra Schkuhr. var. *brachysperma* (Gray) Fassett = Elatine brachysperma Gray

Family EPILOBIACEAE = ONAGRACEAE

Family ERICACEAE

[Monotropaceae, Pyrolaceae, Vacciniaceae]

Judd, W.S. & K.A. Kron. 1993. Circumscription of Ericaceae (Ericales) as determined by preliminary cladistic analyses based on morphological, anatomical, and embryological features. Brittonia 45:99-114.
Haber, E. 1992. Monotropaceae. J. Ariz.-Nev. Acad. Sci. 26(1):15-16.
Haber, E. 1992. Pyrolaceae. J. Ariz.-Nev. Acad. Sci. 26(1):22-28.
Haber, E. & J.E. Cruise. 1974. Generic limits in the Pyroloideae (Ericaceae). Canad. J. Bot. 52:877-883.
Kron, K.W. 1996. Phylogenetic relationships of Empetraceae, Epacridaceae, Ericaceae, Monotropaceae, and Pyrolaceae: Evidence from nuclear ribosomal 18s sequence data. Ann. Bot. 77:293-303.
Kron, K.A., W.S. Judd, P.F. Stevens, D.M. Crayn, A.A. Anderberg, P.A. Gadek, C.J. Quinn, & J.L. Luteyn. 2002. Phylogenetic classification of Ericaceae: Molecular and morphological evidence. Bot. Rev. 68(3):335-423.
Kron, K.A. & M.W. Chase. 1993. Systematics of the Ericaceae, Empetraceae, Epacridaceae and related taxa based upon *rbcl* sequence data. Ann. Missouri Bot. Gard. 80:735-741.

Arbutus madrone

arizonica (Gray) Sargent [M&H; W&S]
Arizona madrone
Arbutus xalapensis Humboldt, Bonpland, & Kunth var. *arizonica* Gray

texana Buckley [M&H; W&S]
Texas madrone

urva-ursi Linnaeus = Arctostaphylos ura-ursi (Linnaeus) Sprengel
xalapensis Humboldt, Bonpland, & Kunth var. *arizonica* Gray = Arbutus arizonica (Gray) Sargent

Arctostaphylos manzanita

Adams, J.E. 1940. A systematic study of the genus *Arctostaphylos* Adans. Jour. Elisha Mitchell Soc. 56:1-62.

pungens Kunth [M&H; W&S]
pointleaf manzanita

uva-ursi (Linnaeus) Sprengel [M&H; W&S]
bearberry
Arbutus urva-ursi Linnaeus
Daphnidostylis fendleriana Klotzsch

Chimaphila pipsissewa

acuta Rydberg = Chimaphila umbellata (Linnaeus) Nuttall var. acuta (Rydberg) Blake
dasystemma Torrey = Chimaphila umbellata (Linnaeus) Nuttall var. acuta (Rydberg) Blake
maculata (Linnaeus) Pursh var. dasystemma (Torrey) Kearney & Peebles : Reported as expected by M&H; awaits verification.
Chimaphila dasystemma Torrey

umbellata (Linnaeus) Nuttall var. ***acuta*** (Rydberg) Blake [M&H; W&S]
pipsissewa
Chimaphila acuta Rydberg

Daphnidostylis fendleriana Klotzsch = Arctostaphylos ura-ursi (Linnaeus) Sprengel
Erxlebenia minor (Linnaeus) Rydberg = Pyrola minor Linnaeus

Gaultheria wintergreen

humifusa (Graham) Rydberg [M&H]
alpine wintergreen

Hypopitys latisquama Rydberg = Monotropa hypopitys Linnaeus
monotropa Crantz = Monotropa hypopitys Linnaeus

Moneses wintergreen

uniflora (Linnaeus) Gray [M&H; W&S]
single-delight
Pyrola uniflora Linnaeus

Monotropa Indian-pipe

Haber, E. 1992. Monotropaceae. J. Ariz.-Nev. Acad. Sci. 26(1):15-16.
Wallace, G.D. 1975. Studies of the Monotropoideae (Ericaceae): Taxonomy and distribution. Wasmann J. Biol. 33:1-88.

hypopitys Linnaeus [M&H; W&S; Wallace 1975]
Indian-pipe
Hypopitys latisquama Rydberg
Hypopitys monotropa Crantz
Monotropa hypopitys Linnaeus var. *latisquama* (Rydberg) Kearney & Peebles
Monotropa latisquama (Rydberg) Hultén

hypopitys Linnaeus var. *latisquama* (Rydberg) Kearney & Peebles = Monotropa hypopitys Linnaeus
latisquama (Rydberg) Hultén = Monotropa hypopitys Linnaeus
uniflora Linnaeus : Reported as expected in NM by M&H; this seems unlikely in view of the distribution reported by Wallace (1975).

Orthilia wintergreen

Haber, E. 1992. Pyrolaceae. J. Ariz.-Nev. Acad. Sci. 26(1):22-28.
Haber, E. & J.E. Cruise. 1974. Generic limits in the Pyroloideae (Ericaceae). Canad. J. Bot. 52:877-883.

secunda (Linnaeus) House [M&H; W&S]

sidebells
Pyrola secunda Linnaeus
Ramischia secunda (Linnaeus) Garcke

Pterospora pinedrops

andromedea Nuttall [M&H; W&S]
woodland pinedrops

Pyrola wintergreen

Haber, E. 1987. Variability, distribution, and systematics of *Pyrola picta* s.l. (Ericaceae) in western North America. Syst. Bot. 12(2):324-335.
Hartman, R.L. 1973. New plant records for New Mexico. Southwestern Naturalist 18(2):241-242. [*Pyrola minor*]

asarifolia Michaux [M&H; W&S]
pink wintergreen

chlorantha Swartz [M&H; W&S]
green-flower wintergreen
Pyrola virens Schweigger

elliptica Nuttall [M&H; W&S]
shinleaf

minor Linnaeus [Hartman 1973; M&H]
snowline wintergreen
Erxlebenia minor (Linnaeus) Rydberg

picta J.E. Smith [M&H; W&S]
white-vein wintergreen

secunda Linnaeus = Orthilia secunda (Linnaeus) House
uniflora Linnaeus = Moneses uniflora (Linnaeus) Gray
virens Schweigger = Pyrola chlorantha Swartz

Ramischia secunda (Linnaeus) Garcke = Orthilia secunda (Linnaeus) House

Vaccinium blueberry

Vander Kloet, S.P. & T.A. Dickinson. 1999. The taxonomy of *Vaccinium* section *Myrtillus*. Brittonia 51(2):231-254.

cespitosum Michaux [M&H]
dwarf blueberry

myrtillus Linnaeus var. ***oreophilum*** [M&H; W&S]
whortle-berry
Vaccinium oreophilum Rydberg

oreophilum Rydberg = Vaccinium myrtillus Linnaeus

scoparium Leiberg ex Coville [M&H; W&S]
grouseberry

Family EUPHORBIACEAE

Steinmann, V.W. & R.S. Felger. 1997. The Euphorbiaceae of Sonora, Mexico. Aliso 16:1-71.
Webster, G.L. 1994. Synopsis of the genera and suprageneric taxa of Euphorbiaceae. Ann. Missouri Bot. Gard. 81:33-144.

Acalypha copperleaf

lindheimeri Müller Argoviensis [M&H; W&S]
Lindheimer's copperleaf

neomexicana Müller Argoviensis [M&H; W&S]
New Mexico copperleaf

ostryifolia Riddell [M&H]
three-seed mercury

Anisophyllum albomarginatum (Torrey & Gray) Klotzsch & Garcke = Chamaesyce albomarginata (Torrey & Gray) Small
Aphora humilis Engelmann & Gray = Ditaxis humilis (Engelmann & Gray) Pax forma humilis
laevis Torrey = Ditaxis humilis (Engelmann & Gray) forma laevis (Gray ex Torrey) B.L. Turner
Argythamnia cyanophylla (Wooton & Standley) Ingram = Ditaxis cyanophylla Wooton & Standley
humilis (Engelmann & Gray) Müller Argoviensis = Ditaxis humilis (Engelmann & Gray) Pax forma humilis
laevis (Torrey) Müller Argoviensis = Ditaxis humilis (Engelmann & Gray) forma laevis (Gray ex Torrey) B.L. Turner
mercurialina (Nuttall) Müller Argoviensis = Ditaxis mercurialina (Nuttall) Coulter
neomexicana Müller Argoviensis = Ditaxis neomexicana (Müller Argoviensis) Heller

Bernardia bernardia

Allred, K.W. 2002. *Bernardia* (Euphorbiaceae) in New Mexico. The New Mexico Botanist 24:5.

myricifolia of NM authors, non (Scheele) Bentham & Hooker = Bernardia obovata I.M. Johnston

obovata I.M. Johnston [Allred 2002; M&H; W&S]
desert bernardia
Bernardia myricifolia of NM authors, non (Scheele) Bentham & Hooker

Chamaesyce spurge

Allred, K.W. 2002. Plant distribution reports. The New Mexico Botanist 24:7. [*Chamaesyce hirta*]
Allred, K.W. & J. Travis Columbus. 1989. Additions to the flora of New Mexico. Phytologia 67(5):361-365. [*Chamaesyce abramsiana*]
Johnston, M.C. 1975. Studies of the *Euphorbia* species of the Chihuahuan Desert region and adjacent areas. Wrightia 5:120-143.
Mayfield, M.H. 1993. New combinations in *Chamaesyce* A. Gray (Euphorbiaceae) from Texas and the Chihuahuan Desert. Phytologia 75(2):178-183.
Sivinski, R., T. Lowrey, & R. Peterson. 1994. Additions to the native and adventive flora of New Mexico. Phytologia 76(6):473-479. [*Chamaesyce carunculata*]

Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Chamaesyce geyeri* var. *wheeleriana*]
Webster, G.L. 1994. Synopsis of the genera and suprageneric taxa of Euphorbiaceae. Ann. Missouri Bot. Gard. 81:33-144.
Wheeler, L.C. 1941. *Euphorbia* subgenus *Chamaesyce* in Canada and the United States exclusive of southern Florida. Rhodora 43:97-154, 168-205, 223-286.

abramsiana (L.C. Wheeler) Koutnik [Allred & Columbus 1989]
Abrams spurge
Euphorbia abramsiana L.C. Wheeler

acuta (Engelmann) Millspaugh [M&H]
pointed spurge
Euphorbia acuta Engelmann
Euphorbia georgei Oudejans

albomarginata (Torrey & Gray) Small [M&H; W&S]
rattleweed spurge
Anisophyllum albomarginatum (Torrey & Gray) Klotzsch & Garcke
Euphorbia albomarginata Torrey & Gray

arizonica (Engelmann) Arthur [M&H]
Arizona spurge
Euphorbia arizonica Engelmann
Euphorbia versicolor Greene

brasiliensis (Lamarck) Small = Chamaesyce hyssopifolia (Linnaeus) Small

capitellata (Engelmann) Millspaugh [M&H]
head spurge
Euphorbia capitellata Engelmann

carunculata (Waterfall) Shinners [Sivinski et al. 1994]
sand-dune spurge
Euphorbia carunculata Waterfall

chaetocalyx (Boissier) Wooton & Standley = Chamaesyce fendleri Torrey & Gray var. chaetocalyx Boissier

dioica (Kunth) Millspaugh [M&H; W&S]
royal spurge
Chamaesyce indivisa (Engelmann) Millspaugh
Euphorbia dioica Kunth. var. *indivisa* Engelmann
Euphorbia indivisa (Engelmann) Tidestrom

fendleri Torrey & Gray var. ***chaetocalyx*** (Boissier) Shinners [M&H; W&S]
Fendler's spurge
Chamaesyce chaetocalyx (Boissier) Wooton & Standley
Chamaesyce fendleri Torrey & Gray var. *chaetocalyx* Boissier

fendleri (Torrey & Gray) Small var. ***fendleri*** [M&H; W&S]
Fendler's spurge
Euphorbia fendleri Torrey & Gray

fendleri Torrey & Gray var. *chaetocalyx* Boissier = Chamaesyce chaetocalyx (Boissier) Wooton & Standley

flagelliformis (Engelmann) Rydberg = Chamaesyce parryi (Engelmann) Rydberg

geyeri (Engelmann) Small [M&H; W&S]
Geyer's spurge
Chamaesyce geyeri (Engelmann) Small var. *wheeleriana* (Warnock & M.C. Johnston) Mayfield
Euphorbia geyeri Engelmann
Euphorbia geyeri Engelmann var. *wheeleriana* Warnock & M.C. Johnston

geyeri (Engelmann) Small var. *wheeleriana* (Warnock & M.C. Johnston) Mayfield = Chamaesyce geyeri (Engelmann) Small

glyptosperma (Engelmann) Small [M&H; W&S]
rib-seed spurge
Euphorbia glyptosperma Engelmann

hirta (Linnaeus) Millspaugh [Allred 2002]
pill-pod spurge

hypericifolia (Linnaeus) Millspaugh : Reported for NM by Kartesz (1999), citing Krochmal (1952); apparently a *lapsus calami*, as a search of that paper failed to find a reference to this species.

hyssopifolia (Linnaeus) Small [M&H]
hyssop-leaf spurge
Chamaesyce brasiliensis (Lamarck) Small
Euphorbia hyssopifolia Linnaeus

indivisa (Engelmann) Millspaugh = Chamaesyce dioica (Kunth) Millspaugh

lata (Engelmann) Small [M&H; W&S]
hoary spurge
Euphorbia dilatata Torrey & Gray, not Hochstetter ex A. Richard
Euphorbia lata Engelmann
Euphorbia rinconis M. E. Jones

maculata (Linnaeus) Small [M&H]
spotted spurge
Euphorbia maculata Linnaeus

Euphorbia supina Rafinesque

micromera (Boissier ex Engelmann) Wooton & Standley [M&H; W&S]
desert spurge
Euphorbia micromera Boissier ex Engelmann

missurica (Rafinesque) Shinners [M&H; W&S]
prairie spurge
Chamaesyce petaloidea (Engelmann) Small
Euphorbia missurica Rafinesque var. intermedia (Engelmann) L.C. Wheeler
Euphorbia petaloidea Engelmann

neomexicana (Greene) Standley = Chamaesyce serpyllifolia (Persoon) Small

nutans (Lagasca) Small [W&S]
eyebane
Euphorbia nutans Lagasca
Euphorbia preslii Gussone

parryi (Engelmann) Rydberg [M&H; W&S]
Parry's spurge
Chamaesyce flagelliformis (Engelmann) Rydberg
Euphorbia parryi Engelmann

petaloidea (Engelmann) Small = Chamaesyce missurica (Rafinesque) Shinners

prostrata (Aiton) Small [M&H]
prostrate spurge
Euphorbia prostrata Aiton

revoluta (Engelmann) Small [M&H; W&S]
curl-leaf spurge
Euphorbia revoluta Engelmann

rugulosa (Engelmann) Rydberg = Chamaesyce serpyllifolia (Persoon) Small

serpens (Humboldt, Bonpland, & Kunth) Small [M&H; W&S]
matted spurge
Euphorbia serpens Humboldt, Bonpland, & Kunth

serpyllifolia (Persoon) Small [M&H; W&S]
thyme-leaf spurge
Chamaesyce neomexicana (Greene) Standley
Chamaesyce rugulosa (Engelmann) Rydberg
Euphorbia neomexicana Greene
Euphorbia serpyllifolia Persoon
Euphorbia serpyllifolia Persoon var. *rugulosa* Engelmann

serrula (Engelmann) Wooton & Standley [M&H; W&S]
saw-tooth spurge
Euphorbia serrula Engelmann

setiloba (Engelmann ex Torrey) Millspaugh ex Parish [M&H]
shaggy spurge
Euphorbia setiloba Engelmann ex Torrey

stictospora (Engelmann) Small [M&H; W&S]
slim-seed spurge
Euphorbia stictospora Engelmann

vermiculata (Rafinesque) House [M&H]
worm-seed spurge
Euphorbia vermiculata Rafinesque

villifera (Scheele) Small [M&H]
hairy spurge
Euphorbia villifera Scheele

Croton croton

Alexander, P. 2006. Plant distribution reports (*Croton monanthogynus*). The New Mexico Botanist 36:7.
Webster, G.L. 1992. Realignments in American *Croton* (Euphorbiaceae). Novon 2: 269-273.
Webster, G.L. 1993. A provisional synopsis of the sections of the genus *Croton* (Euphorbiaceae). Taxon 42:793-823.
Webster, G.L., M.J. Del-Arco-Aguilar, & B.A. Smith. 1996. Systematic distribution of foliar trichome type in *Croton* (Euphorbiaceae). Bot. J. Linnean Soc. 121:41-57.

corymbulosus Engelmann = Croton pottsii (Klotzsch) Müller Argoviensis

dioicus Cavanilles [M&H; W&S]
grassland croton
Croton neomexicanus Müller Argoviensis

eremophilus Wooton & Standley = Croton pottsii (Klotzsch) Müller Argoviensis

fruticulosus Engelmann ex Torrey [M&H; W&S]
bush croton

glandulosus Linnaeus var. ***lindheimeri*** Müller Argoviensis [M&H]
glandular croton

lindheimerianus Scheele [M&H]
Lindheimer's croton
luteovirens Wooton & Standley = Croton texensis (Klotzsch) Müller Argoviensis
monanthogynus Michaux [Alexander 2006]
prairie-tea
neomexicanus Müller Argoviensis = Croton dioicus Cavanilles
pottsii (Klotzsch) Müller Argoviensis [M&H; W&S]
leatherweed
Croton corymbulosus Engelmann
Croton eremophilus Wooton & Standley
tenuis S. Watson : Reported by W&S, but not occurring in NM (M&H).
texensis (Klotzsch) Müller Argoviensis [M&H; W&S]
Texas croton
Croton luteovirens Wooton & Standley
Dichrophyllum marginatum (Pursh) Klotzsh & Garcke = Euphorbia marginata Pursh

Ditaxis silverbush

Turner, B.L. 2001. Biological status of *Argythamnia laevis* (Euphorbiaceae). Sida 19(3):621-622.
Webster, G.L. 1994. Synopsis of the genera and suprageneric taxa of Euphorbiaceae. Ann. Missouri Bot. Gard. 81:33-144.

cyanophylla Wooton & Standley [M&H; W&S]
silverbush
Argythamia cyanophylla (Wooton & Standley) Ingram
humilis (Engelmann & Gray) Pax forma ***humilis*** [M&H; W&S]
Aphora humilis Engelmann & Gray
Argythamia humilis (Engelmann & Gray) Müller Argoviensis
humilis (Engelmann & Gray) Pax forma ***laevis*** (Gray ex Torrey) B.L. Turner [M&H]
low silverbush
Aphora laevis Torrey
Argythamia laevis (Torrey) Müller Argoviensis
Ditaxis laevis (Gray ex Torrey) Heller
laevis (Gray ex Torrey) Heller = Ditaxis humilis (Engelmann & Gray) forma laevis (Gray ex Torrey) B.L. Turner
mercurialina (Nuttall) Coulter [M&H; W&S]
tall silverbush
Argythamia mercurialina (Nuttall) Müller Argoviensis
neomexicana (Müller Argoviensis) Heller [M&H; W&S]
New Mexico silverbush
Argythamia neomexicana Müller Argoviensis

Euphorbia spurge

Allred, K.W. 1996. New plant distribution records The New Mexico Botanist 4:6. [*Euphorbia peplus*]
Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Euphorbia odontadenia*]
Allred, K.W. 2001. New plant distribution records. The New Mexico Botanist 19:3. [*Euphorbia cyathophora*]
Cox, G.W. 2001. New plant distribution records. The New Mexico Botanist 20:8. [*Euphorbia myrsinites*]
Cronquist, A., N.H. Holmgren, & P.K. Holmgren. 1997. *Euphorbia*, pp.268-276. IN: Intermountain Flora, vol. 3A. New York Botanical Garden.
Hartman, R.L. 1973. New plant records for New Mexico. Southwestern Naturalist 18(2):241-242. [*Euphorbia esula*]
Hershey, A.L. & P.J. Leyendecker, Jr. 1944. Notes on plants of New Mexico -- III. Leafl. West. Bot. 4(2):21-25. [*Euphorbia antisyphilitica*]
Jercinovic, G. 2005. Plant distribution reports. The New Mexico Botanist 34:7. [*Euphorbia lathyris*]
Johnston, M.C. 1975. Studies of the *Euphorbia* species of the Chihuahuan Desert region and adjacent areas. Wrightia 5:120-143.
Krochmal, A. 1952. Seeds of weedy *Euphorbia* species and their identification. Weeds 1:243-255. [*Euphorbia esula*]
Oudejans, R. 1989. New names and new combinations in the genus *Euphorbia* Linnaeus (Euphorbiaceae). Phytologia 67(1):43-49.
Park, K. 1998. Monograph of *Euphorbia* sect. *Tithymalopsis* (Euphorbiaceae). Edinb. J. Bot. 55:161-208.
Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Euphorbia eriantha*]
Tidestrom, I. & T. Kittell. 1941. A Flora of Arizona and New Mexico. The Catholic University of America Press, Washington, D.C. 897 pp. [*Euphorbia crenulata*]
Webster, G.L. 1994. Synopsis of the genera and suprageneric taxa of Euphorbiaceae. Ann. Missouri Bot. Gard. 81:33-144.

abramsiana L.C. Wheeler = Chamaesyce abramsiana (L.C. Wheeler) Koutnik
acuta Engelmann = Chamaesyce acuta (Engelmann) Millspaugh
albomarginata Torrey & Gray = Chamaesyce albomarginata (Torrey & Gray) Small
alta Norton [M&H; W&S]
tall spurge
Tithymalus altus (Norton) Wooton & Standley
antisyphilitica Zuccarini [Hershey & Leyendecker 1944; M&H]
candelilla
arizonica Engelmann = Chamaesyce arizonica (Engelmann) Arthur
arkansana Engelmann & Gray = Euphorbia spathulata Lamarck
arkansana Engelmann & Gray var. *atrosemina* Norton = Euphorbia spathulata Lamarck
bicolor Engelmann & Gray : Reported questionably by Kartesz (1999); awaits verification.
bifurcata Engelmann [M&H; Oudejans 1989; W&S]
Wooton's spurge
Euphorbia delicatula auct. non Boissier & Millspaugh
Euphorbia wootonii Oudejans

Zygophyllidium delicatulum Wooton & Standley

bilobata Engelmann [M&H; W&S]

black-seed spurge

Zygophyllidium bilobatum (Engelmann) Standley

brachycera Engelmann [M&H; W&S]

horned spurge

Euphorbia lurida Engelmann
Euphorbia montana Engelmann
Euphorbia montana Engelmann var. *robusta* Engelmann
Euphorbia odontadenia Boissier
Euphorbia philora (Cockerell) Tidestrom
Euphorbia robusta (Engelmann) Small ex Britton
Tithymalus brachycerus (Engelmann) Small
Tithymalus luridus (Engelmann) Wooton & Standley
Tithymalus mexicanus (Engelmann) Wooton & Standley
Tithymalus montanus (Engelmann) Small
Tithymalus robustus (Engelmann) Small

capitellata Engelmann = Chamaesyce capitellata (Engelmann) Millspaugh

carunculata Waterfall = Chamaesyce carunculata (Waterfall) Shinners

chamaesula Boissier [M&H; W&S]

mountain spurge

Tithymalus chamaesula (Boissier) Wooton & Standley

crenulata Engelmann [Tidestrom & Kittell 1941]

Chinese caps

cuphosperma (Engelmann) Boissier [M&H; W&S]

hairy-fruit spurge

Euphorbia dentata Michaux var. *cuphosperma* Engelmann
Euphorbia dentata Michaux f. *cuphosperma* (Engelmann) Fernald
Poinsettia cuphosperma (Engelmann) Small

cyathophora Murray [Allred 2001]

fire-on-the-mountain

davidii Subils [M&H; W&S]

David's poinsettia

Euphorbia dentata of numerous authors

delicatula (Wooton & Standley) Boissier = Euphorbia bifurcata Engelmann

dentata Michaux : Although *E. davidii* seems to be the predominent species of the dentata/davidii complex in NM, Cronquist et al. (1997) suggest that *E. dentata* Michaux could be found in NM as well; awaits verification.

Poinsettia dentata (Michaux) Klotzsch & Garcke

dentata Michaux forma *cuphosperma* (Engelmann) Fernald = Euphorbia cuphosperma (Engelmann) Boissier

dentata Michaux var. *cuphosperma* Engelmann = Euphorbia cuphosperma (Engelmann) Boissier

dictyosperma Fischer & Meyer = Euphorbia spathulata Linnaeus

dictyosperma Fischer & Meyer var. *mexicana* Engelmann = Euphorbia spathulata Linnaeus

dilatata Torrey & Gray, not Hochstetter ex A. Richard = Chamaesyce lata (Engelmann) Small

dioica Kunth. var. *indivisa* Engelmann = Chamaesyce dioica (Kunth) Millspaugh

eriantha Bentham [Spellenberg et al. 1986]

beetle spurge

Poinsettia eriantha (Bentham) Rose & Standley

****esula*** Linnaeus [Hartman 1973; Krochmal 1952; M&H]

leafy spurge, wolf's milk

Euphorbia esula Linnaeus subsp. ×*pseudovirgata* (Schur) Govaerts
Euphorbia esula Linnaeus var. *uralensis* (Fischer ex Link) Dorn
Euphorbia ×*pseudovirgata* (Schur) Soó
Euphorbia uralensis Fischer ex Link
Tithymalus esula (Linnaeus) Scopoli

esula Linnaeus subsp. ×*pseudovirgata* (Schur) Govaerts = Euphorbia esula Linnaeus

esula Linnaeus var. *uralensis* (Fischer ex Link) Dorn = Euphorbia esula Linnaeus

exstipulata Engelmann [M&H; W&S]

square-seed spurge

Zygophyllidium exstipulatum (Engelmann) Wooton & Standley

fendleri Torrey & Gray var. *chaetocalyx* Boissier = Chamaesyce chaetocalyx (Boissier) Wooton & Standley

fendleri Torrey & Gray var. *fendleri* = Chamaesyce fendleri (Torrey & Gray) Small

georgei Oudejans = Chamaesyce acuta (Engelmann) Millspaugh

geyeri Engelmann = Chamaesyce geyeri (Engelmann) Small

geyeri Engelmann var. *wheeleriana* Warnock & M.C. Johnston = Chamaesyce geyeri (Engelmann) Small var. wheeleriana (Warnock & M.C. Johnston) Mayfield

glyptosperma Engelmann = Chamaesyce glyptosperma (Engelmann) Small

heterophylla Linnaeus [M&H; W&S]

Mexican fireplant
Poinsettia havanensis (Willdenow) Small
Poinsettia heterophylla (Linnaeus) Klotzsch & Garcke
hexagona Nuttall ex Sprengel [M&H]
six-angle spurge
Zygophyllidium hexagonum (Nuttall ex Sprengel) Small
hyssopifolia Linnaeus = Chamaesyce hyssopifolia (Linnaeus) Small
indivisa (Engelmann) Tidestrom = Chamaesyce dioica (Kunth) Millspaugh
lata Engelmann = Chamaesyce lata (Engelmann) Small
lathyris Linnaeus [Jercinovic 2005]
moleplant
lurida Engelmann = Euphorbia brachycera Engelmann
maculata Linnaeus = Chamaesyce maculata (Linnaeus) Small
marginata Pursh [M&H; W&S]
snow-on-the-mountain
Dichrophyllum marginatum (Pursh) Klotzsch & Garcke
Lepadenia marginata (Pursh) Nieuwland
mexicana (Engelmann) Norton = Euphorbia spathulata Linnaeus
micromera Boissier = Chamaesyce micromera (Boissier ex Engelmann) Wooton & Standley
missurica Rafinesque var. *intermedia* (Engelmann) L.C. Wheeler = Chamaesyce missurica (Rafinesque) Shinners
montana Engelmann = Euphorbia brachycera Engelmann
montana Engelmann var. *robusta* Engelmann = Euphorbia brachycera Engelmann
myrsinites Linnaeus [Cox 2001]
myrtle spurge
multicaulis Engelmann = Euphorbia spathulata Linnaeus
neomexicana Greene = Chamaesyce serpyllifolia (Persoon) Small
nutans Lagasca = Chamaesyce nutans (Lagasca) Small
odontadenia Boissier = Euphorbia brachycera Engelmann
parryi Engelmann = Chamaesyce parryi (Engelmann) Rydberg
peplus Linnaeus [Allred 1996]
petty spurge
Tithymalus peplus (Linnaeus) Gaertner
petaloidea Engelmann = Chamaesyce missurica (Rafinesque) Shinners
philora (Cockerell) Tidestrom = Euphorbia brachycera Engelmann
preslii Gussone = Chamaesyce nutans (Lagasca) Small
prostrata Aiton = Chamaesyce prostrata (Aiton) Small
×*pseudovirgata* (Schur) Soó = Euphorbia esula Linnaeus
radians Bentham : Reported without documentation by Kartesz (1999); awaits verification.
revoluta Engelmann = Chamaesyce revoluta (Engelmann) Small
rinconis M. E. Jones = Chamaesyce lata (Engelmann) Small
robusta (Engelmann) Small ex Britton = Euphorbia brachycera Engelmann
serpens Humboldt, Bonpland, & Kunth = Chamaesyce serpens (Humboldt, Bonpland, & Kunth) Small
serpyllifolia Persoon = Chamaesyce serpyllifolia (Persoon) Small
serpyllifolia Persoon var. *rugulosa* Engelmann = Chamaesyce serpyllifolia (Persoon) Small
serrula Engelmann = Chamaesyce serrula (Engelmann) Wooton & Standley
setiloba Engelmann ex Torrey = Chamaesyce setiloba (Engelmann ex Torrey) Millspaugh
spathulata Lamarck [M&H; W&S]
warty spurge
Euphorbia arkansana Engelmann & Gray
Euphorbia arkansana Engelmann & Gray var. *atrosemina* Norton
Euphorbia dictyosperma Fischer & Meyer
Euphorbia dictyosperma Fischer & Meyer var. *mexicana* Engelmann
Euphorbia mexicana (Engelmann) Norton
Euphorbia multicaulis Engelmann
Tithymalus missouriensis (Norton) Small
stictospora Engelmann = Chamaesyce stictospora (Engelm) Small
strictior Holzinger [M&H; W&S]
panhandle spurge
Tithymalopsis strictior (Holzinger) Wooton & Standley
supina Rafinesque = Chamaesyce maculata (Linnaeus) Small
uralensis Fischer ex Link = Euphorbia esula Linnaeus
vermiculata Rafinesque = Chamaesyce vermiculata (Rafinesque) House
versicolor Greene = Chamaesyce arizonica (Engelmann) Arthur
villifera Scheele = Chamaesyce villifera (Scheele) Small
wootonii Oudejans = Euphorbia bifurcata Engelmann

Jatropha nettle-spurge

Johnson, M.B. 1998. *Jatropha* (Euphorbiaceae) in southwestern United States and adjacent northern Mexico. Desert Plants 14(2):21-28.

macrorhiza Bentham [M&H; W&S]

ragged nettle-spurge

Lepadenia marginata (Pursh) Nieuwland = Euphorbia marginata Pursh

Phyllanthus leaf-flower

Urbatsch, L.E., J.D. Bacon, R.L. Hartman, M.C. Johnston, T.J. Watson, Jr., & G.L. Webster. 1975. Chromosome numbers for North American Euphorbiaceae. Amer. J. Bot. 62:494-500. [*Phyllanthus abnormis*]

Webster, G.L. 1970. a revision of *Phyllanthus* (Euphorbiaceae) in the continental United States. Brittonia 22:44-76.

abnormis Baillon var. ***abnormis*** [Urbatsch et al. 1975]

Drummond's leaf-flower

polygonoides Nuttall ex Sprengel [M&H; W&S]

smartweed leaf-flower

Poinsettia cuphosperma (Engelmann) Small = Euphorbia cuphosperma (Engelmann) Boissier

dentata auct. = Euphorbia davidii Subils

eriantha (Bentham) Rose & Standley = Euphorbia eriantha Bentham

havanensis (Willdenow) Small = Euphorbia heterophylla Linnaeus

heterophylla (Linnaeus) Klotzsch & Garcke = Euphorbia heterophylla Linnaeus

Reverchonia sandy-mat

Webster, G.L. & K.I. Miller. 1963. The genus *Reverchonia* (Euphorbiaceae). Rhodora 65:193-207.

arenaria Gray [M&H; W&S]

sandy-mat

Sapium sylvaticum var. *linearifolium* Torrey = Stillingia texana I.M. Johnston

Stillingia tooth-leaf

linearifolia (Torrey) Small = Stillingia texana I.M. Johnston

salicifolia (Torrey) Small = Stillingia sylvatica Garden ex Linnaeus var. salicifolia Torrey

smallii Wooton & Standley = Stillingia sylvatica Linnaeus var. salicifolia Torrey

sylvatica Linnaeus var. *linearifolia* (Torrey) Müller Argoviensis = Stillingia texana I.M. Johnston

sylvatica Garden ex Linnaeus var. ***salicifolia*** Torrey [M&H; W&S]

queen's-delight

Stillingia salicifolia (Torrey) Small

Stillingia smallii Wooton & Standley

texana I.M. Johnston [M&H; W&S]

Texas tooth-leaf

Sapium sylvaticum var. *linearifolium* Torrey

Stillingia linearifolia (Torrey) Small

Stillingia sylvatica Linnaeus var. *linearifolia* (Torrey) Müller Argoviensis

Tithymalopsis strictior (Holzinger) Wooton & Standley = Euphorbia strictior Holzinger

Tithymalus altus (Norton) Wooton & Standley = Euphorbia alta Norton

chamaesula (Boissier) Wooton & Standley = Euphorbia chamaesula Boissier

esula (Linnaeus) Scopoli = Euphorbia esula Linnaeus

luridus (Engelmann) Wooton & Standley = Euphorbia brachycera Engelmann

mexicanus (Engelmann) Wooton & Standley = Euphorbia spathulata Lamarck

missouriensis (Norton) Small = Euphorbia spathulata Lamarck

montanus (Engelmann) Small = Euphorbia brachycera Engelmann

peplus (Linnaeus) Gaertner = Euphorbia peplus Linnaeus

robustus (Engelmann) Small = Euphorbia brachycera Engelmann

Tragia noseburn

Miller, K.I. & G.L. Webster. 1967. A preliminary revision of *Tragia* (Euphorbiaceae) in the United States. Rhodora 69:241-305.

amblyodonta (Müller Argoviensis) Pax & K. Hoffmann [M&H; Miller & Webster 1967]

dog-tooth noseburn

nepetifolia Cavanilles [M&H; W&S]

catnip noseburn

nepetifolia Cavanilles var. ramosa (Torrey) Müller Argoviensis = Tragia ramosa Torrey

ramosa Torrey [M&H; Miller & Webster 1967; W&S]

branched noseburn

Tragia nepetifolia Cavanilles var. ramosa (Torrey) Müller Argoviensis

Tragia stylaris Müller Argoviensis

stylaris Müller Argoviensis = Tragia ramosa Torrey

Tyria myricifolia Scheele [=Bernardia myricifolia (Scheele) Bentham & Hooker : Not known from NM; our material referred to Bernardia obovata I.M. Johnston

Zygophyllidium exstipulatum (Engelmann) Wooton & Standley = Euphorbia exstipulata Engelmann

bilobatum (Engelmann) Standley = Euphorbia bilobata Engelmann

delicatulum Wooton & Standley = Euphorbia bifurcata Engelmann

hexagonum (Nuttall ex Sprengel) Small = Euphorbia hexagona Nuttall ex Sprengel

Family FABACEAE (LEGUMINOSAE)

[Caesalpiniaceae, Cassiaceae, Mimosaceae]

Barneby, R.C. 1989. Fabales. IN: Intermountain Flora, Vol. 3. New York Botanical Garden.

Barneby, R.C. 1991. Sensitivae Censitae. Mem. N.Y. Bot. Gard. 65:1-835.

Ballenger, J.A., E. Dickson, M. Meyer, & J.J. Doyle. 1993. DNA sequence data and the phylogeny of the Leguminosae. Amer. J. Bot. 80:130-131.

Isely, D. 1973. Leguminosae of the United States:I. Subfamily Mimosoideae. Mem. N.Y. Bot. Gard. 25(1).
Isely, D. 1975. Leguminosae of the United States:II. Subfamily Caesalpinioideae. Mem. N.Y. Bot. Gard. 25(2):1-228.
Isely, D. 1981. Leguminosae of the United States:III. Subfamily Papilionoideae: Tribes Sophoreae, Podalyrieae, Loteae. Mem. N.Y. Bot. Gard. 25(3):1-264.
Isely, D. 1998. Native and naturalized Leguminosae (Fabaceae) of the United States. Monte L. Bean Life Science Museum, Brigham Young University, Provo, Utah. 1007 pp.
Isely, D. & R.M. Polhill. 1980. Leguminosae: Subfamily Papilionoideae. Taxon 29:105-119.
Polhill, R.M. & P.H. Raven, eds. 1981. Advances in legume systematics. Vols. 1, 2. Proc. Intern. Legume Conference, Kew, England.
Stirton, C.H., ed. 1987. Advances in legume systematics, part 3. Royal Botanic Gardens, Kew, England. 466 pp.

Acacia acacia

Heil, K.D. 2004. Plant distribution reports. The New Mexico Botanist 30:7. [*A. angustissima* var. *hirta*]
Isely, D. 1969. Legumes of the United States. I. Native Acacia. Sida 3:365-386.
Jawad, J.T., D.S. Seigler, & J.E. Ebinger. 2000. A systematic treatment of *Acacia coulteri* (Fabaceae, Mimosoideae) and similar species in the New World. Ann. Missouri Bot. Gard. 87:528-548. [*A. millefolia*]
Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Acacia angustissima* var. *suffrutescens, A. millefolia*]
Turner, B.L. 1996. Synoptical study of the *Acacia angustissima* (Mimosaceae) complex. Phytologia 81(1):10-16.

angustissima (Miller) Kuntze var. ***chisosiana*** Isely [M&H; Turner 1996; W&S]
prairie acacia

angustissima (Miller) Kuntze var. ***hirta*** (Nuttall) B.L. Robinson [Heil 2004]
prairie acacia

angustissima (Miller) Kuntze var. ***suffrutescens*** (Rose) Isely [Spellenberg et al. 1986]
prairie acacia

angustissima (Miller) Kuntze var. ***texensis*** (Torrey & Gray) Isely [Isely 1998; M&H; W&S]
prairie acacia
Acacia cuspidata Schlechtendal
Acacia texensis Torrey & Gray

constricta Bentham var. ***constricta*** [M&H; W&S]
western white-thorn acacia

constricta Bentham var. *vernicosa* (Standley) L. Benson = Acacia neovernicosa Isely

constricta Bentham var. ***paucispina*** Wooton & Standley [M&H; W&S]
western white-thorn acacia

cuspidata Schlechtendal = Acacia angustissima (Miller) Kuntze var. texensis (Torrey & Gray) Isely
farnesiana (Linnaeus) Willdenow : Reported for NM by Kartesz (1999) based on an erroneous specimen at NMCR.
filicoides (Cavanilles) Trelease : Reported by W&S, but not occurring in NM (Isely 1969).

greggii Gray var. ***arizonica*** Isely [M&H; W&S]
Arizona catclaw

millefolia S. Watson [Jawad et al. 2000; Spellenberg et al. 1986]
milfoil acacia

neovernicosa Isely [M&H]
eastern white-thorn acacia
Acacia constricta Bentham var. *vernicosa* (Standley) L. Benson
Acacia vernicosa Standley, not Fitzgerald

roemeriana Scheele [M&H]
Roemer acacia

texensis (Torrey & Gray) = Acacia angustissima (Miller) Kuntze var texensis (Torrey & Gray) Isely
vernicosa Standley, not Fitzgerald = Acacia neovernicosa Isely

Acmispon americanum (Nuttall) Rydberg = Lotus purshianus (Bentham) Clements & Clements
Acuan fallax Small = Desmanthus obtusus S. Watson
illinoense (Michaux) Kuntze = Desmanthus illinoensis (Michaux) MacMillan
jamesii (Torrey & Gray) Kuntze = Desmanthus cooleyi (Eaton) Trelease
obtusum (S. Watson) Heller = Desmanthus obtusus S. Watson
velutinum (Scheele) Kuntze = Desmanthus velutinus Scheele

Albizia silktree

Isely, D. 1973. Leguminosae of the United States:I. Subfamily Mimosoideae. Mem. N.Y. Bot. Gard. 25(1). [*Albizia julibrissin*]

****julibrissin*** Durazzini [Isely 1973]
silktree

Alepidocalyx parvulus (Greene) Piper = Phaseolus parvulus Greene

Alhagi camel-thorn

camelorum Fischer = Alhagi maurorum Medikus

****maurorum*** Medikus [M&H]
camelthorn
Alhagi camelorum Fischer, nomen nudum
Alhagi pseudalhagi (Bierberstein) N. Desvaux ex B. Keller & Schaparenko

pseudalhagi (Bierberstein) N. Desvaux ex B. Keller & Schaparenko = Alhagi maurorum Medikus

Amorpha indigo-bush

Wilbur, R.L. 1975. A revision of the North American genus *Amorpha* (Leguminosae-Psoraleae). Rhodora 77(811):337-409.

arizonica Rydberg = Amorpha fruticosa Linnaeus
californica Nuttall : Reported by M&H and W&S, but not occurring in NM (Wilbur 1975).

canescens Pursh [M&H; W&S]
leadplant
fruticosa Linnaeus [M&H]
false indigo-bush
Amorpha arizonica Rydberg
Amorpha fruticosa Linnaeus var. *angustifolia* Pursh
Amorpha fruticosa Linnaeus var. *occidentalis* (Abrams) Kearney & Peebles
Amorpha occidentalis Abrams
fruticosa Linnaeus var. *angustifolia* Pursh = Amorpha fruticosa Linnaeus
fruticosa Linnaeus var. *occidentalis* (Abrams) Kearney & Peebles = Amorpha fruticosa Linnaeus
microphylla Pursh = Amorpha nana Nuttall
nana Nuttall [M&H; W&S]
fragrant indigo-bush
Amorpha microphylla Pursh
occidentalis Abrams = Amorpha fruticosa Linnaeus
ovalis M.E. Jones = Indigofera sphaerocarpa A. Gray
Anisolotus brachycarpus (Bentham) Rydberg = Lotus humistratus Greene
mollis (Greene) Heller = Lotus greenei (Wooton & Standley) Ottley
neomexicanus (Greene) Heller = Lotus plebeius (Brandegee) Barneby
nummularius (M.E. Jones) Wooton & Standley = Lotus plebeius (Brandegee) Barneby
puberulus (Bentham) Wooton & Standley = Lotus plebeius (Brandegee) Barneby
rigidus (Bentham) Rydberg (=Lotus rigidus (Bentham) Greene) : Reported by W&S, but not occurring in NM (Barneby 1989; M&H).
trispermus (Greene) Wooton & Standley = Lotus humistratus Greene
wrightii (Gray) Rydberg = Lotus wrightii (Gray) Greene
Aragallus nothoxys (Gray) Heller = Astragalus nothoxys Gray
parryi (Gray) Greene = Oxytropis parryi Gray
pinetorum Heller = Oxytropis sericea Nuttall
pinetorum Heller var. vegana Cockerell = Oxytropis sericea Nuttall
splendens (Douglas ex Hooker) Greene = Oxytropis splendens Douglas ex Hooker

Astragalus milkvetch, locoweed

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Astragalus crassicarpus*]
Barneby, R.C. 1964. Atlas of North American *Astragalus*. Mem. N.Y. Bot. Gard. 13(2):1-1188.
Barneby, R.C. 1979. Dragma hippomanicum IV. New taxa of *Astragalus* sect. Humillimi. Brittonia 31(4):459-463.
Barneby, R.C. 1989. Fabales. IN: A. Cronquist, A.H. Holmgren, N.H. Holmgren, J.L. Reveal, & P.K. Holmgren. Intermountain Flora, Vol. 3. New York Botanical Garden.
Barneby, R.C. & R. Spellenberg. 1987. A new species of *Astragalus* (Leguminosae) from northwestern New Mexico and adjacent Arizona. Brittonia 39(2):188-191.
Barneby, R.C. & S.L. Welsh. 1996. *Astragalus laxmannii* Jacquin (Leguminosae) in North America. Great Basin Naturalist 56(1):85-86.
Fox, W.E., K.W. Allred, & E.H. Roalson. 1998. A Guide to the Common Locoweeds and Milkvetches of New Mexico. Circular 557, Agr. Exp. Sta. & Coop. Ext. Serv., New Mexico State University. 95 pp.
Heil, K.D. 2004. Plant distribution reports. The New Mexico Botanist 30:7. [*A. preusii, A. flavus* var. *higginsii*]
Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*A. calycosus calycosus*]
Isely, D. 1983. New combinations and two new varieties in *Astragalus*, *Orophaca*, and *Oxytropis* (Leguminosae). Syst. Bot. 8(4):420-426.
Isely, D. 1984. *Astragalus* L. (Leguminosae: Papilionoideae) II: Species summary A-E. Iowa State J. Res. 59:99-209.
Knight, P.J. 1984. Noteworthy collections (New Mexico). Madroño 31:63. [*Astragalus humillimus*]
Kulshreshtha, S., R. Creamer, & T.M. Sterling. 2004. Phylogenetic relationships among New Mexico *Astragalus mollissimus* varieties and *Oxytropis* species by restriction fragment analysis. Weed Sci. 52:984-988
Marley, G.A. & W.L. Wagner. 1981. Noteworthy collections (New Mexico). Madroño 28:41-43. [*Astragalus monumentalis*]
Reveal, J.L., K.N. Gandhi, & D.H. Nicolson. 2004. The demise of the name *Astragalus tenellus* Pursh (Fabaceae). Taxon 53(4):1055-1058.
Sivinski, R.C. 2005. Plant distribution reports. The New Mexico Botanist 32:7. [*Astragalus nutriosensis*]
Sivinski, R.C. 2005. Plant distribution reports (*Amsinckia menziesii intermedia*, *Astragalus eremiticus*). The New Mexico Botanist 33:7.
Welsh, S.L. 2005. Correction to an effectively but non-validly published species of *Astragalus* (Leguminosae) from New Mexico. Rhodora 107(929):103-104. [*Astragalus cliffordii*]
Welsh, S.L., N.D. Atwood, S.Goodrich, & L.C. Higgins (eds.). 2003. A Utah Flora. 3rd ed, revised. Provo, Utah: Brigham Young University Press. [*Astragalus cliffordii, A. heilii*]

aboriginum Richardson var. *glabriusculus* (Hooker) Rydberg = Astragalus australis (Linnaeus) Lamarck
accumbens Sheldon = Astragalus missouriensis Nuttall var. accumbens (Sheldon) Isely
adsurgens Pallas var. *robustior* Hooker = Astragalus laxmannii Jacquin var. robustior (Hooker) Barneby & Welsh
agrestis Douglas ex G. Don [M&H; W&S]
cock's-head
Astragalus goniatus Nuttall
albulus Wooton & Standley [M&H; W&S]
Cibola milkvetch
Batidophaca albula (Wooton & Standley) Rydberg
allochrous Gray var. ***allochrous*** [M&H; W&S]
halfmoon milkvetch
Phaca allochroa (Gray) Rydberg
allochrous Gray var. ***playanus*** (M.E. Jones) Isely [M&H; W&S]
Wooton's milkvetch
Astragalus playanus M.E. Jones

Astragalus triflorus sensu Gray var. *playanus* M.E. Jones
Astragalus wootonii Sheldon
Phaca wootonii (Sheldon) Rydberg

alpinus Linnaeus [M&H; W&S]
alpine milkvetch

+altus Wooton & Standley [M&H; W&S]
tall milkvetch
Atelophragma altum (Wooton & Standley) Rydberg

amphioxys Gray var. ***amphioxys*** [M&H; W&S]
Aladdin's-slippers
Astragalus amphioxys Gray var. *typicus* Barneby
Astragalus crescenticarpus Sheldon
Xylophacos amphioxys (Gray) Rydberg

amphioxys Gray var. *typicus* Barneby = Astragalus amphioxys Gray var. amphioxys

amphioxys Gray var. ***vespertinus*** (Sheldon) M.E. Jones
Aladdin's-slippers
Astragalus vespertinus Sheldon
Xylophacos vespertinus (Sheldon) Rydberg

arizonicus Gray : Reported by Kartesz (1999) without documentation; awaits verification.

australis (Linnaeus) Lamarck [M&H]
Indian milkvetch
Astragalus aboriginum Richardson var. *glabriusculus* (Hooker) Rydberg
Phaca glabriuscula Hooker

austrinus (Small) Schulz = Astragalus nuttallianus A.P. de Candolle var. austrinus (Small) Barneby

bigelovii Gray = Astragalus mollissimus Torrey var. bigelovii (Gray) Barneby

bigelovii Gray var. *matthewsii* (S. Watson) M.E. Jones = Astragalus mollissimus Torrey var. matthewsii (S. Watson) Barneby

bigelovii Gray var. *mogollonicus* (Greene) Barneby = Astragalus mollissimus Torrey var. mogollonicus (Greene) Barneby

bigelovii Gray var. *thompsonae* (S. Watson) M.E. Jones = Astragalus mollissimus Torrey var. thompsonae (S. Watson) Barneby

bisulcatus (Hooker) Gray var. ***bisulcatus*** [M&H; W&S]
two-groove milkvetch
Diholcos bisulcatus (Hooker) Rydberg
Phaca bisulcata Hooker
Tragacantha bisulcata (Hooker) Kuntze

bisulcatus (Hooker) Gray var. ***haydenianus*** (Gray) Barneby [M&H; W&S]
Hayden's two-groove milkvetch
Astragalus haydenianus Gray ex Brand
Diholcos haydenianus (Gray) Rydberg
Tragacantha haydeniana (Gray) Kuntze

blakei Eggleston = Astragalus robbinsii (Oakes) Gray var. minor (Hooker) Barneby

bodinii Sheldon [M&H]
Bodin's milkvetch

brandegeei Porter [M&H; W&S]
Brandegee's milkvetch
Atelophragma brandegeei (Porter) Rydberg
Tragacantha brandegeei (Porter) Kuntze

calycosus Torrey ex S. Watson var. ***calycosus*** [Heil et al. 2002]
Torrey's milkvetch

calycosus Torrey ex S. Watson var. ***scaposus*** (Gray) M.E. Jones [M&H; W&S]
Torrey's milkvetch
Astragalus scaposus Gray
Hamosa scaposa (Gray) Rydberg

canadensis Linnaeus [M&H; W&S]
Canadian milkvetch
Astragalus oreophilus Rydberg

canovirens (Rydberg) Barneby = Astragalus coltonii M.E. Jones var. moabensis M.E. Jones

carnosus Pursh = Astragalus crassicarpus Nuttall var. crassicarpus

+castetteri Barneby [M&H]
Castetter's milkvetch

ceramicus Sheldon var. ***ceramicus*** [M&H; W&S]
painted milkvetch

ceramicus Sheldon var. ***filifolius*** (Gray) F.J. Hermann [M&H]
painted milkvetch
Astragalus filifolius Gray
Astragalus longifolius (Pursh) Rydberg

cerussatus Sheldon : The specimen originally thought to be Astragalus cerussatus Sheldon (Heil 7626, SJNM) has been verified by S.L. Welsh (BRY) as a perennial form of Astragalus allochrous Gray var. playanus (M.E. Jones) Isely.

chuskanus Barneby & Spellenberg [Barneby & Spellenberg 1987]
San Juan milkvetch
cibarius Sheldon : Isely (1998) reports this species from NM, but his map and all other authors indicate otherwise.
****cicer*** Linnaeus [Heil et al. 2002]
chickpea milkvetch
cliffordii Welsh & Atwood [Welsh 2005; Welsh et al. 2003]
Clifford's milkvetch
cobrensis Gray var. ***cobrensis*** [M&H; W&S]
copper-mine milkvetch
Atelophragma cobrense (Gray) Rydberg
Tragacantha cobrensis (Gray) Kuntze
cobrensis Gray var. ***maguirei*** Kearney [Isley 1984]
copper-mine milkvetch
coltonii M.E. Jones var. ***moabensis*** M.E. Jones [M&H; W&S]
Moab milkvetch
Astragalus canovirens (Rydberg) Barneby
Homalobus canovirens Rydberg
confertiflorus Gray = Astragalus flavus Nuttall var. flavus
crassicarpus Nuttall var. ***cavus*** Barneby [M&H]
ground-plum
crassicarpus Nuttall var. ***crassicarpus*** [M&H; W&S]
ground-plum
Astragalus carnosus Pursh
Geoprumnon crassicarpum (Nuttall) Rydberg
crassicarpus Nuttall var. ***paysonii*** (Kelso) Barneby [Allred 1999]
ground-plum
crescenticarpus Sheldon = Astragalus amphioxys Gray var. amphioxys
curtilobus Tidestrom = Astragalus tephrodes Gray var. brachylobus (Gray) Barneby
+cyaneus Gray [M&H]
cyanic milkvetch
Astragalus jemensis A. Nelson
Astragalus shortianus Nuttall ex Torrey & Gray var. *cyaneus* (Gray) M.E. Jones
Tragacantha cyanea (Gray) Kuntze
Xylophacos cyaneus (Gray) Rydberg
datilensis (Rydberg) Tidestrom = Astragalus humistratus Gray var. humistratus
desperatus Jones [Spellenberg et al. 1986]
rimrock milkvetch
diphysus Gray = Astragalus lentiginosus Douglas ex Hooker var. albiflorus (A. Gray) Schoener
diphysus Gray var. *albiflorus* Gray = Astragalus lentiginosus Douglas ex Hooker var. albiflorus (A. Gray) Schoener
diversifolius Gray : Reported by W&S, but not occurring in NM (Barneby 1964).
drummondii Douglas ex Hooker [M&H; W&S]
Drummond's milkvetch
Tium drummondii (Douglas ex Hooker) Rydberg
earlei Greene ex Rydberg = Astragalus mollissimus Torrey var. earlei (Greene ex Rydberg) Tidestrom
egglestonii (Rydberg) Kearney & Peebles [M&H]
Eggleston's milkvetch
Tium egglestonii Rydberg
elatiocarpus Sheldon = Astragalus lotiflorus Hooker
ellisiae (Rydberg) C.L. Porter = Astragalus praelongus Sheldon var. ellisiae (Rydberg) Barneby
emoryanus (Rydberg) Cory [M&H]
red-stemmed peavine, Emory's milkvetch
Hamosa emoryana Rydberg
episcopus S. Watson [Barneby 1989]
Bishop's milkvetch
eremiticus Sheldon [Sivinski 2005]
fallax S. Watson [nom. illegit.] = Astragalus hallii Gray var. fallax Barneby
famelicus Sheldon = Astragalus hallii Gray var. fallax Barneby
+feensis M.E. Jones [M&H]
Santa Fe milkvetch
Astragalus sanctae-fidei Tidestrom
Hamosa feensis (M.E. Jones) Rydberg
fendleri (Gray) Gray = Astragalus flexuosus Douglas ex Hooker var. flexuosus
filifolius Gray = Astragalus ceramicus Sheldon var. filifolius (Gray) F.J. Hermann
flaviflorus (Kuntze) Sheldon = Astragalus flavus Nuttall var. flavus
flavus Nuttall var. *candicans* Gray = Astragalus flavus Nuttall var. flavus
flavus Nuttall var. ***flavus*** [M&H; W&S]

yellow milkvetch
Astragalus confertiflorus Gray
Astragalus confertiflorus Gray var. *flaviflorus* (Kuntze) M.E. Jones
Astragalus flaviflorus (Kuntze) Sheldon
Astragalus flavus Nuttall var. *candicans* Gray
Cnemidophacos confertiflorus (Gray) Rydberg
Cnemidophacos flavus (Nuttall) Rydberg
Tragacantha flaviflora Kuntze
flavus Nuttall var. ***higginsii*** Welsh [Heil 2004]
Higgins's yellow milkvetch
flexuosus (Hooker) Douglas ex G. Don var. ***flexuosus*** [M&H; W&S]
pliant milkvetch
Astragalus fendleri (Gray) Gray
Pisophaca flexuosa (Douglas) Rydberg
Pisophaca ratonensis Rydberg
Pisophaca sierra-blancae Rydberg
flexuosus (Hooker) Douglas ex G. Don var. ***greenei*** (Gray) Barneby [M&H; W&S]
pliant milkvetch
Astragalus gracilentus (Gray) Gray var. *greenei* (Gray) Rydberg
Astragalus greenei Gray
fucatus Barneby [M&H]
Hopi milkvetch
gertrudis Greene = Astragalus puniceus Osterhout var. gertrudis (Greene) Barneby
giganteus S. Watson [M&H; W&S]
giant milkvetch
Astragalus giganteus (S. Watson) Sheldon var. *yaquianus* (S. Watson) M.E. Jones
Astragalus texanus Sheldon
Astragalus yaquianus S. Watson
giganteus (S. Watson) Sheldon var. *yaquianus* (S. Watson) M.E. Jones = Astragalus giganteus S. Watson
gilensis Greene [M&H; W&S]
Gila milkvetch
Batidophaca gilensis (Greene) Rydberg
goniatus Nuttall = Astragalus agrestis Douglas ex G. Don
gracilentus (Gray) Gray var. *greenei* (Gray) Rydberg = Astragalus flexuosus (Hooker) Douglas ex G. Don var. greenei (Gray) Barneby
gracilentus (Gray) Gray var. *hallii* (Gray) M.E. Jones = Astragalus hallii Gray var. hallii
gracilentus (Gray) Gray var. *exsertus* M.E. Jones = Astragalus puniceus Osterhout var. puniceus
gracilis Nuttall [M&H]
slender milkvetch
Astragalus microlobus Gray
Astragalus microphacos Cory
Astragalus parviflorus (Pursh) MacMillan
greenei Gray = Astragalus flexuosus Douglas ex Hooker var. greenei (Gray) Barneby
gypsodes Barneby [M&H]
gypsum milkvetch
hallii Gray var. ***fallax*** Barneby [M&H]
Hall's milkvetch
Astragalus fallax S. Watson [nom. illegit.]
Astragalus famelicus Sheldon
Pisophaca famelica (Sheldon) Rydberg
hallii Gray var. ***hallii*** [M&H]
Hall's milkvetch
Astragalus gracilentus (Gray) Gray var. *hallii* (Gray) M.E. Jones
Homalobus hallii (Gray) Rydberg
Pisophaca hallii (Gray) Rydberg
Tragacantha hallii (Gray) Kuntze
heilii Welsh & Atwood [Welsh et al. 2003]
Heil's milkvetch
haydenianus Gray ex Brand = Astragalus bisulcatus (Hooker) Gray var. haydenianus (Gray) Barneby
hosackiae Greene = Astragalus humistratus Gray var. hosackiae (Greene) M.E. Jones
humillimus Gray ex Brand [Knight 1984]
Mancos milkvetch
humistratus Gray var. ***crispulus*** Barneby [M&H]
ground-cover milkvetch
humistratus Gray var. ***hosackiae*** (Greene) M.E. Jones [M&H; W&S]
ground-cover milkvetch
Astragalus hosackiae Greene

Batidophaca hosackiae (Greene) Rydberg

humistratus Gray var. ***humistratus*** [M&H; W&S]
ground-cover milkvetch
Astragalus datilensis (Rydberg) Tidestrom
Batidophaca humistrata (Gray) Rydberg
Pisophaca datilensis Rydberg
Tium humistratum (Gray) Rydberg
Tragacantha humistrata (Gray) Kuntze

humistratus Gray var. ***humivagans*** (Rydberg) Barneby [M&H]
ground-cover milkvetch
Batidophaca humivagans Rydberg

humistratus Gray var. ***sonorae*** (Gray) M.E. Jones [M&H; W&S]
ground-cover milkvetch
Astragalus sonorae Gray
Batidophaca sonorae (Gray) Rydberg
Batidophaca stipulacea Rydberg
Tragacantha sonorae (Gray) Kuntze

impensus (Sheldon) Wooton & Standley = Astragalus kentrophyta Gray var. elatus S. Watson

iodopetalus (Rydberg) Barneby [M&H]
violet milkvetch
Xylophacos iodopetalus Rydberg

jemensis A. Nelson = Astragalus cyaneus Gray

kentrophyta Gray var. ***elatus*** S. Watson [M&H; W&S]
spiny milkvetch
Astragalus impensus (Sheldon) Wooton & Standley
Astragalus tagetarius S. Watson var. *elatus* (S. Watson) Barneby

kentrophyta Gray var. ***implexus*** (Canby ex T. Porter & Coulter) Barneby [M&H]
spiny milkvetch
Astragalus tagetarius S. Watson
Astragalus tagetarius S. Watson var. *implexus* Canby ex T. Porter & Coulter

+kentrophyta Gray var. ***neomexicanus*** (Barneby) Barneby [M&H]
New Mexico spiny milkvetch
Astragalus tagetarius S. Watson var. *neomexicanus* Barneby

+kerrii Knight & Cully [Knight & Cully 1991]
Kerr's milkvetch

+knightii Barneby [Barneby 1983]
Knight's milkvetch

laxmannii Jacquin var. ***robustior*** (Hooker) Barneby & Welsh [M&H]
Laxmann's milkvetch
Astragalus adsurgens Pallas var. *robustior* Hooker
Astragalus striatus Nuttall

lentiginosus Douglas ex Hooker var. ***australis*** Barneby [M&H]
freckled milkvetch

lentiginosus Douglas ex Hooker var. ***albiflorus*** (Gray) Schoener [M&H; W&S]
freckled milkvetch
Astragalus diphysus Gray
Astragalus diphysus Gray var. *albiflorus* Gray
Astragalus lentiginosus Douglas ex Hooker var. *diphysus* (Gray) M.E. Jones
Cystium diphysum (Gray) Rydberg
Tragacantha diphysa (Gray) Kuntze

lentiginosus Douglas ex Hooker var. *diphysus* (Gray) M.E. Jones = Astragalus lentiginosus Douglas ex Hooker var. albiflorus (Gray) Schoener

lonchocarpus Torrey [M&H; W&S]
great rushy milkvetch
Phaca macrocarpa Gray

longifolius (Pursh) Rydberg = Astragalus ceramicus Sheldon var. filifolius (Gray) F.J. Hermann

lotiflorus Hooker [M&H; W&S]
lotus milkvetch
Astragalus elatiocarpus Sheldon
Batidophaca lotiflora (Hooker) Rydberg
Phaca lotiflora (Hooker) Torrey & Gray
Tragacantha lotiflora (Hooker) Kuntze

macounii Rydberg = Astragalus robbinsii (Oakes) Gray var. minor (Hooker) Barneby

matthewsii S. Watson = Astragalus mollissimus Torrey var. matthewsii (S. Watson) Barneby

melanocarpus Nuttall = Astragalus missouriensis Nuttall var. missouriensis

microlobus Gray = Astragalus gracilis Nuttall

microphacos Cory = Astragalus gracilis Nuttall
+micromerius Barneby [M&H]
Chaco milkvetch
+missouriensis Nuttall var. ***accumbens*** (Sheldon) Isely [Isely 1983; M&H; W&S]
Zuni milkvetch
Astragalus accumbens Sheldon
missouriensis Nuttall var. ***amphibolus*** Barneby [M&H]
Missouri milkvetch
+missouriensis Nuttall var. ***mimetes*** Barneby [M&H]
Missouri milkvetch
missouriensis Nuttall var. ***missouriensis*** [M&H; W&S]
Missouri milkvetch
Astragalus melanocarpus Nuttall
Tragacantha missouriensis (Nuttall) Kuntze
Xylophacos missouriensis (Nuttall) Rydberg
mogollonicus Greene = Astragalus mollissimus Torrey var. mogollonicus (Greene) Barneby
mollissimus Torrey var. ***bigelovii*** (Gray) Barneby [M&H; W&S]
Bigelow's wooly locoweed
Astragalus bigelovii Gray
mollissimus Torrey var. ***earlei*** (Greene ex Rydberg) Tidestrom [M&H]
Earle's wooly locoweed
Astragalus earlei Greene ex Rydberg
+mollissimus Torrey var. ***matthewsii*** (S. Watson) Barneby [M&H; W&S]
Matthew's wooly locoweed
Astragalus bigelovii Gray var. *matthewsii* (S. Watson) M.E. Jones
Astragalus matthewsii S. Watson
mollissimus Torrey var. ***mogollonicus*** (Greene) Barneby [M&H]
Mogollon wooly locoweed
Astragalus bigelovii Gray var. *mogollonicus* (Greene) Barneby
Astragalus mogollonicus Greene
mollissimus Torrey var. ***mollissimus*** [M&H; W&S]
wooly locoweed
Astragalus simulans Cockerell
Phaca villosa James ex S. Watson
mollissimus Torrey var. ***thompsonae*** (S. Watson) Barneby [M&H; W&S]
Thompson's wooly locoweed
Astragalus bigelovii Gray var. *thompsonae* (S. Watson) M.E. Jones
Astragalus thompsonae S. Watson
monumentalis Barneby var. ***cottamii*** (Welsh) Isely [Isely 1983]
Cottam's milkvetch
monumentalis Barneby var. ***monumentalis*** [Marley & Wagner 1981]
Monument Valley milkvetch
multiflorus (Pursh) Gray [M&H; W&S]
Standley's milkvetch
Astragalus tenellus Pursh
Homalobus standleyi Rydberg
naturitensis Payson [Knight 1984]
Naturita milkvetch
+neomexicanus Wooton & Standley [M&H; W&S]
New Mexico milkvetch
Pisophaca neomexicana (Wooton & Standley) Rydberg
newberryi Gray [M&H; W&S]
Newberry's milkvetch
Xylophacos newberryi (Gray) Rydberg
nothoxys Gray [M&H]
sheep milkvetch
Aragallus nothoxys (Gray) Heller
Hamosa nothoxys (Gray) Rydberg
Oxytropis nothoxys (Gray) M.E. Jones
Spiesia nothoxys (Gray) M.E. Jones
Tragacantha nothoxys (Gray) Kuntze
nutriosensis Sanderson [Sivinski 2005]
Nutriosa milkvetch
nuttallianus A.P. de Candolle var. ***austrinus*** (Small) Barneby [M&H; W&S]
Nuttall's milkvetch, turkey-peas

Astragalus austrinus (Small) Schulz
Hamosa austrina Small

nuttallianus A.P. de Candolle var. ***macilentus*** (Small) Barneby [M&H]
Nuttall's milkvetch, turkey-peas

nuttallianus A.P. de Candolle var. ***micranthiformis*** Barneby [M&H]
Nuttall's milkvetch, turkey-peas

nuttallianus A.P. de Candolle var. ***trichocarpus*** Torrey & Gray [M&H]
Nuttall's milkvetch, turkey-peas

oocalycis M.E. Jones [M&H]
arboles milkvetch
Astragalus urceolatus Greene
Diholcos oocalycis (M.E. Jones) Rydberg

oreophilus Rydberg = Astragalus canadensis Linnaeus

parryanus Tidestrom = Oxytropis parryi Gray

parviflorus (Pursh) MacMillan = Astragalus gracilis Nuttall

pattersonii Gray in Brandegee [M&H;W&S]
Patterson's milkvetch
Jonesiella pattersonii (Gray) Rydberg
Phacopsis pattersonii (Gray) Rydberg
Rydbergiella pattersonii (Gray) Fedde & Sydow

pectinatus Douglas ex G. Don : Reported by M&H, but no verifying specimens or other reports found; needs verification.

pictiformis Barneby [M&H]
Guadalupe milkvetch

plattensis Nuttall : Reported by M&H, but no verifying specimens or other reports found; needs verification.

playanus M.E. Jones = Astragalus allochrous Gray var. playanus (M.E. Jones) Isely

praelongus Sheldon var. ***ellisiae*** (Rydberg) Barneby [M&H]
Ellis's stinking milkvetch
Astragalus ellisiae (Rydberg) C.L. Porter
Jonesiella ellisiae Rydberg

praelongus Sheldon var. ***lonchopus*** Barneby [M&H]
stinking milkvetch

praelongus Sheldon var. ***praelongus*** [M&H; W&S]
stinking milkvetch
Astragalus recedens (Greene) C.L. Porter
Jonesiella recedens Greene

preussii A. Gray var. ***lartus*** [Heil 2004]
Preuss's milkvetch

proximus (Rydberg) Wooton & Standley [M&H; W&S]
Aztec milkvetch
Homalobus proximus Rydberg
Pisophaca proxima Rydberg

+puniceus Osterhout var. ***gertrudis*** (Greene) Barneby [M&H; W&S]
Trinidad milkvetch
Astragalus gertrudis Greene
Pisophaca gertrudis (Greene) Rydberg

puniceus Osterhout var. ***puniceus*** [M&H]
Trinidad milkvetch
Astragalus gracilentus (Gray) Gray var. *exsertus* M.E. Jones
Pisophaca punicea (Osterhout) Rydberg
Xylophacos puniceus (Osterhout) Rydberg

racemosus Pursh var. ***longisetus*** M.E. Jones [M&H]
Jones's alkali milkvetch

racemosus Pursh var. ***racemosus*** [M&H]
alkali milkvetch
Tium racemosum (Pursh) Rydberg

recedens (Greene) C.L. Porter = Astragalus praelongus Sheldon var. praelongus

remulcus M.E. Jones = Astragalus tephrodes Gray var. brachylobus (Gray) Barneby

ripleyi Barneby [M&H]
Ripley's milkvetch

robbinsii (Oakes) Gray var. ***minor*** (Hooker) Barneby [M&H]
Robbins's milkvetch
Astragalus blakei Eggleston
Astragalus macounii Rydberg
Atelophragma macounii (Rydberg) Rydberg
Phaca robbinsii Oakes

rusbyi Greene [W&S]

Rusby's milkvetch

sabulonum Gray [M&H]

gravel milkvetch

Phaca sabulonum (Gray) Rydberg

sanctae-fidei Tidestrom = Astragalus feensis M.E. Jones

scaposus Gray = Astragalus calycosus Torrey ex S. Watson var. scaposus (Gray) M.E. Jones

scopulorum T.C. Porter [M&H; W&S]

Rocky Mountain milkvetch

Tium scopulorum (Porter) Rydberg

Tium stenolobum Rydberg

sericoleucus Gray [Spellenberg 1984]

silky milkvetch

shortianus Nuttall [M&H; W&S]

Short's milkvetch

Astragalus shortianus Nuttall ex Torrey & Gray var. *typicus* Barneby

Tragacantha shortiana (Nuttall) Kuntze

Xylophacos shortianus (Nuttall) Rydberg

shortianus Nuttall ex Torrey & Gray var. *brachylobus* Gray = Astragalus tephrodes Gray var. brachylobus (Gray) Barneby

shortianus Nuttall ex Torrey & Gray var. *cyaneus* (Gray) M.E. Jones = Astragalus cyaneus Gray

shortianus Nuttall ex Torrey & Gray var. *typicus* Barneby = Astragalus shortianus Nuttall

+siliceus Barneby [M&H]

Flint Mountain milkvetch

simulans Cockerell = Astragalus mollissimus Torrey var. mollissimus

sonorae Gray = Astragalus humistratus Gray var. sonorae (Gray) M.E. Jones

striatus Nuttall = Astragalus laxmannii Jacquin var. robustior (Hooker) Barneby & Welsh

spatulatus Sheldon : Isely (1998) reports "n NM," but this not verified by his map nor by other sources; needs verification.

subcinereus Gray : Reported by W&S, but not occurring in NM (Barneby 1964).

tagetarius S. Watson = Astragalus kentrophyta Gray var. implexus (Canby ex T. Porter & Coulter) Barneby

tagetarius S. Watson var. *elatus* (S. Watson) Barneby = Astragalus kentrophyta Gray var. ***elatus S. Watson***

tagetarius S. Watson var. *neomexicanus* Barneby = Astragalus kentrophyta Gray var. neomexicanus (Barneby) Barneby

tenellus Pursh = Astragalus multiflorus (Pursh) Gray

tephrodes Gray var. ***brachylobus*** (Gray) Barneby [M&H; W&S]

silverline locoweed

Astragalus curtilobus Tidestrom

Astragalus remulcus M.E. Jones

Astragalus shortianus Nuttall ex Torrey & Gray var. *brachylobus* Gray

Xylophacos brachylobus (Gray) Rydberg

tephrodes Gray var. ***tephrodes*** [M&H; W&S]

silverline locoweed

Tragacantha tephrodes (Gray) Kuntze

Xylophacos tephrodes (Gray) Rydberg

texanus Sheldon = Astragalus giganteus S. Watson

thompsonae S. Watson = Astragalus mollissimus Torrey var. thompsonae (S. Watson) M.E. Jones

thurberi Gray [M&H; W&S]

Thurber's milkvetch

Phaca thurberi (Gray) Kearney

Tragacantha thurberi (Gray) Kuntze

triflorus sensu Gray var. *playanus* M.E. Jones = Astragalus allochrous Gray var. playanus (M.E. Jones) Isely

urceolatus Greene = Astragalus oocalycis M.E. Jones

vaccarum Gray [M&H; W&S]

cow spring milkvetch

Hamosa vaccarum (Gray) Rydberg

Tragacantha vaccarum (Gray) Kuntze

vespertinus Sheldon = Astragalus amphioxys Gray var. vespertinus (Sheldon) M.E. Jones

waterfallii Barneby [M&H]

Waterfall's milkvetch

wingatanus S. Watson [M&H; W&S]

Fort Wingate milkvetch

Homalobus wingatanus (S. Watson) Rydberg

+wittmannii Barneby [Barneby 1979]

Wittmann's milkvetch

wootonii Sheldon = Astragalus allochrous Gray var. playanus (M.E. Jones) Isely

yaquianus S. Watson = Astragalus giganteus S. Watson

zionis M.E. Jones var. zionis : Reported without documentation by Kartesz (1999); awaits verification.

Atelophragma altum (Wooton & Standley) Rydberg = Astragalus altus Wooton & Standley

brandegeei (Porter) Rydberg = Astragalus brandegeei Porter

cobrense (Gray) Rydberg = Astragalus cobrensis Gray var. cobrensis

macounii (Rydberg) Rydberg = Astragalus robbinsii (Oakes) Gray var. minor (Hooker) Barneby
Batidophaca albula (Wooton & Standley) Rydberg = Astragalus albulus Wooton & Standley
gilensis (Greene) Rydberg = Astragalus gilensis Greene
hosackiae (Greene) Rydberg = Astragalus humistratus Gray var. hosackiae (Greene) M.E. Jones
humistrata (Gray) Rydberg = Astragalus humistratus Gray var. humistratus
humivagans Rydberg = Astragalus humistratus Gray var. humivagans (Rydberg) Barneby
lotiflora (Hooker) Rydberg = Astragalus lotiflorus Hooker
sonorae (Gray) Rydberg = Astragalus humistratus Gray var. sonorae (Gray) M.E. Jones
stipulacea Rydberg = Astragalus humistratus Gray var. sonorae (Gray) M.E. Jones
Broussonetia secundiflora Ortega = Sophora secundiflora (Ortega) A.P. de Candolle

Caesalpinia paradise flower
Simpson, B.B. 1998. A revision of *Pomaria* (Fabaceae) in North America. Lundellia 1:46-71.
drepanocarpa (Gray) E.M. Fisher = Hoffmannseggia drepanocarpa Gray
****gilliesii*** (Hooker) Wallich ex D. Dietrich [M&H; W&S]
bird-of-paradise bush
Poinciana gilliesii Wallich ex Hooker
jamesii (Torrey & Gray) Fisher = Pomaria jamesii (Torrey & Gray) Walpers

Calliandra stick-pea
chamaedrys Engelmann = Calliandra eriophylla Bentham
eriophylla Bentham [M&H; W&S]
fairy duster
Calliandra chamaedrys Engelmann
herbacea Bentham = Calliandra humilis Bentham var. humilis
humilis Bentham var. ***humilis*** [M&H; W&S]
dwarf stick-pea
Calliandra herbacea Bentham
humilis Bentham var. ***reticulata*** (Gray) L. Benson [M&H; W&S]
dwarf stick-pea
Calliandra reticulata Gray
reticulata Gray = Calliandra humulis Bentham var. reticulata (Gray) L. Benson

Caragana pea-shrub
Cox, G. 2004. Plant distribution reports. The New Mexico Botanist 31:1. [*Caragana arborescnes*]
****arborescens*** Linnaeus [Cox 2004]
Siberian pea-shrub

Cassia bauhinioides Gray var. *arizonica* Robinson= Senna bauhinioides (Gray) Irwin & Barneby
bauhinioides Gray = Senna bauhinioides (Gray) Irwin & Barneby
chamaecrista Linnaeus = Chamaecrista fasciculata (Michaux) Greene
covesii Gray = Senna covesii (Gray) Irwin & Barneby
fasciculata Michaux var. *fasciculata* = Chamaecrista fasciculata (Michaux) Greene
fasciculata Michaux var. *rostrata* (Wooton & Standley) B. L. Turner = Chamaecrista fasciculata (Michaux) Greene
leptadenia Greenman = Chamaecrista nictitans (Linnaeus) Moench var. leptadenia (Greenman) Ghandi & Hatch
leptocarpa Bentham var. *glaberrima* M. E. Jones = Senna hirsuta (Linnaeus) Irwin & Barneby var. glaberrima (M.E. Jones) Irwin & Barneby
lindheimeriana Scheele = Senna lindheimeriana (Scheele) Irwin & Barneby
orcuttii (Britton & Rose) B.L. Turner = Senna orcuttii (Britton & Rose) Irwin & Barneby
pumilio Gray : Reported as expected by M&H map, but not known to occur in NM (Isely 1975).
roemeriana Scheele = Senna roemeriana (Scheele) Irwin & Barneby
wislizeni Gray = Senna wislizeni (Gray) Irwin & Barneby
wrightii Gray = Chamaecrista serpens (Linnaeus) Greene var. wrightii (Gray) Irwin & Barneby

Cercis redbud
Hopkins, M. 1942. *Cercis* in North America. Rhodora 44:193-211.
canadensis Linnaeus var. ***mexicana*** (Rose) Hopkins [M&H]
redbud
Cercis mexicana Rose
mexicana Rose = Cercis canadensis Linnaeus var. mexicana (Rose) Hopkins

Chamaecrista partridge-pea
Irwin, H.S. & R.C. Barneby. 1982. The American Cassinae, a synoptical revision of Leguminosae tribe Cassieae subtribe Cassinae in the New World. Mem. New York Bot. Gard. 35:1-918.
fasciculata (Michaux) Greene [M&H; W&S]
sleeping-plant
Cassia chamaecrista Linnaeus
Cassia fasciculata Michaux var. *fasciculata*
Cassia fasciculata Michaux var. *rostrata* (Wooton & Standley) B.L. Turner
Chamaecrista rostrata Wooton & Standley
nictitans (Linnaeus) Moench var. ***leptadenia*** (Greenman) Gandhi & Hatch [M&H; W&S]
partridge-pea
Cassia leptadenia Greenman
Chamaecrista leptadenia (Greenman) Cockerell

rostrata Wooton & Standley = Chamaecrista fasciculata (Michaux) Greene
leptadenia (Greenman) Cockerell = Chamaecrista nictitans (Linnaeus) Moench var. leptadenia (Greenman) Ghandi & Hatch
serpens (Linnaeus) Greene var. ***wrightii*** (Gray) Irwin & Barneby [M&H; W&S]
slender partridge-pea
Cassia wrightii Gray
Chamaecrista wrightii (Gray) Wooton & Standley
wrightii (Gray) Wooton & Standley = Chamaecrista serpens (Linnaeus) Greene var. wrightii (Gray) Irwin & Barneby
Clitoria mariana Linnaeus : Reported as expected by M&H; awaits verification.
Cnemidophacos confertiflorus (Gray) Rydberg = Astragalus flavus Nuttall var. flavus
flavus (Nuttall) Rydberg = Astragalus flavus Nuttall var. flavus

Cologania cologania

Turner, B.L. 1992. Taxonomic overview of the genus *Cologania* (Fabaceae, *Phaseoleae*). Phytologia 73(4):281-301.

angustifolia Kunth [M&H; W&S]
long-leaf cologania
Cologania longifolia Gray
broussonettii (Balb.) A.P. de Candolle [M&H; W&S]
Broussonett's cologania
Cologania pallida Rose
Cologania pulchella Humboldt, Bonpland, & Kunth
longifolia Gray = Cologania angustifolia Kunth
pallida Rose = Cologania broussonettii (Balb.) A.P. de Candolle
pulchella Humboldt, Bonpland, & Kunth = Cologania broussonettii (Balb.) DC.

Colutea bladder-senna

Sivinski, R. 2006. Plant distribution reports. The New Mexico Botanist 35:3. [Colutea arborescens]

****arborescens*** Linnaeus [Sivinski 2006]
bladder-senna

Coronilla crown-vetch

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Coronilla varia*]
Lassen, P. 1989. A new delimitation of the genera *Coronilla*, *Hippocrepis*, and *Securigera* (Fabaceae). Willdenowia 19:49-62.

****varia*** Linnaeus [Allred 1999]
purple crown-vetch
Securigera varia (Linnaeus) Lassen

Crotalaria rattlebox

lupulina Humboldt, Bonpland, & Kunth = Crotalaria pumila Ortega
pumila Ortega [M&H; W&S]
low rattlebox
Crotalaria lupulina Humboldt, Bonpland, & Kunth
sagittalis Linnaeus : Reported as expected by M&H map; awaits verification.
Cystium diphysum (Gray) Rydberg = Astragalus lentiginosus Douglas ex Hooker var. albiflorus (Gray) Schoener

Dalea prairie-clover

Barneby, R.C. 1977. Daleae Imagines. Mem. New York Bot. Gard. 27:1-892.
Benson, L. & R.A. Darrow. 1981. Trees and Shrubs of the Southwestern Deserts. 3rd ed. Univ. Arizona Press. 416 p. [*Dalea versicolor* var. *sessilis*]
Peterson, R. 2000. On *Dalea compacta* in New Mexico. The New Mexico Botanist 15:5.
Sivinski, R. & K. Lightfoot, eds. 1994. Inventory of rare and endangered plants of New Mexico. New Mexico Forestry and Resources Conservation Division, Misc. Publ. No. 3. [*Dalea pulchra*]
Wemple, D.K. 1970. Revision of the genus *Petalostemum* (Leguminosae). Iowa State J. Sci. 45:1-102.

alba Michaux = Dalea leporina (Aiton) Bullock
albiflora Gray [Barneby 1977; M&H; W&S]
Ord's prairie-clover
Dalea ordiae Gray
Parosela albiflora (Gray) Vail
Parosela ordiae (Gray) Heller
alopecuroides Willdenow = Dalea leporina (Aiton) Bullock
argyraea Gray = Dalea bicolor Humboldt & Bonpland ex Willdenow var. argyrea (Gray) Barneby (Barneby 1977).
aurea Nuttall ex Pursh [M&H; W&S]
golden prairie-clover
Parosela aurea (Nuttall ex Pursh) Britton
bicolor Humboldt & Bonpland ex Willdenow var. ***argyrea*** (Gray) Barneby [Barneby 1977; M&H]
silver prairie-clover
Dalea argyraea Gray
Parosela argyraea (Gray) Heller
bigelovii A. Gray = Desmodium neomexicanum A. Gray
brachystachys Gray [M&H; W&S]
Fort Bowie prairie-clover
Parosela brachystachys (Gray) Heller
calycosa Gray = Marina calycosa (Gray) Barneby (Barneby 1977).
candida Muhlenberg ex Willdenow var. ***candida*** [Barneby 1977; M&H]
white prairie-clover

Petalostemon candidum (Willdenow) Michaux var. *candidum*

candida Willdenow var. ***oligophylla*** (Torrey) Shinners [Barneby 1977; M&H; W&S]

white prairie-clover

Dalea occidentalis (Britton & Kearney) Isely
Petalostemon candidus (Willdenow) Michaux var. *oligophyllus* (Torrey) F.J. Hermann
Petalostemon gracilis Nuttall var. *oligophyllus* Torrey
Petalostemon occidentalis (Gray ex Heller) Fernald
Petalostemon oligophyllus (Torrey) Rydberg

compacta of NM reports = Dalea cylindriceps Barneby

compacta Sprengel var. compacta : Apparently not occurring in NM fide Peterson (2000); see Dalea cylindriceps Barneby

Petalostemon compactus (Sprengel) Swezey

compacta Sprengel var. pubescens (Gray) Barneby : Apparently not occurring in NM fide Peterson (2000).

Petalostemon pulcherrimus (Heller) Heller

cylindriceps Barneby [Barneby 1977]

Andean prairie-clover

Dalea compacta of NM reports
Petalostemon macrostachyus Torrey

enneandra Nuttall [M&H; W&S]

slender prairie-clover

Dalea laxiflora Pursh
Parosela enneandra (Nuttall) Britton

exigua Barneby [Barneby 1977; M&H; W&S]

Chihuahuan prairie-clover

Petalostemon exilis Gray, non Dalea exilis A.P. de Candolle

filiformis Gray [M&H; W&S]

Sonoran prairie-clover

Parosela filiformis (Gray) Heller

formosa Torrey [M&H; W&S]

feather-plume

Parosela formosa (Torrey) Vail

frutescens Gray [M&H; W&S]

black prairie-clover

Parosela frutescens (Gray) Vail

glaberrima S. Watson = Dalea lanata Sprengel var. terminalis (M.E. Jones) Barneby

grayi (Vail) L.O. Williams [M&H; W&S]

Gray's prairie-clover

Dalea laevigata Gray
Parosela grayi Vail

greggii Gray [M&H]

Gregg's prairie-clover

Parosela greggii (Gray) Heller

hutchinsoniae M.E. Jones var. *anomala* M.E. Jones = Dalea polygonoides Gray

jamesii (Torrey) Torrey & Gray [M&H; W&S]

James's prairie-clover

Parosela jamesii (Torrey) Vail
Psoralea jamesii Torrey

lachnostachya Gray [M&H; W&S]

gland-leaf prairie-clover

Parosela lachnostachya (Gray) Heller

laevigata Gray = Dalea grayi (Vail) L.O. Williams

lanata Sprengel var. ***lanata*** [M&H; W&S]

wooly prairie-clover

Parosela lanata (Sprengel) Britton

lanata Sprengel var. ***terminalis*** (M.E. Jones) Barneby [Barneby 1977; M&H; W&S]

wooly prairie-clover

Dalea glaberrima S. Watson
Dalea terminalis M.E. Jones
Parosela glaberrima (S. Watson) Rose
Parosela terminalis (M.E. Jones) Heller

laxiflora Pursh = Dalea enneandra Nuttall

leporina (Aiton) Bullock [M&H; W&S]

foxtail prairie-clover

Dalea alba Michaux
Dalea alopecuroides Willdenow
Parosela dalea of NM works

nana Torrey ex Gray var. ***carnescens*** (Rydberg) Kearney & Peebles [Barneby 1977; M&H]

dwarf prairie-clover
Parosela carnescens Rydberg
nana Torrey ex Gray var. ***nana*** [M&H; W&S]
dwarf prairie-clover
Parosela nana (Torrey) Heller
neomexicana (Gray) Cory [M&H]
New Mexico prairie-clover
occidentalis (Britton & Kearney) Isely = Dalea candida Willdenow var. oligophylla (Torrey) Shinners
ordiae Gray = Dalea albiflora Gray
pogonathera Gray [M&H; W&S]
bearded prairie-clover
Parosela pogonathera (Gray) Vail
polygonoides Gray [Barneby 1977; M&H; W&S]
six-weeks prairie-clover
Dalea hutchinsoniae M.E. Jones var. *anomala* M.E. Jones
Dalea polygonoides Gray var. *anomala* (M.E. Jones) Morton
Dalea polygonoides Gray var. *laevitual* Kearney & Peebles
Parosela polygonoides (Gray) Heller
polygonoides Gray var. *anomala* (M.E. Jones) Morton = Dalea polygonoides Gray
polygonoides Gray var. *laevitual* Kearney & Peebles = Dalea polygonoides Gray
pulchra H.C. Gentry [Sivinski & Lightfoot 1994]
Santa Catalina prairie-clover
purpurea Ventenat var. ***arenicola*** (Wemple) Barneby [Isely 1998]
purple prairie-clover
purpurea Ventenat var. ***purpurea*** [Barneby 1977; M&H; W&S]
purple prairie-clover
Petalostemon molle Rydberg
Petalostemon purpureum (Ventenat) Rydberg
Petalostemon purpureum (Ventenat) Rydberg var. *molle* (Rydberg) A. Nelson
Petalostemon violaceum Michaux
+scariosa S. Watson [Barneby 1977; M&H; W&S]
Albuquerque prairie-clover
Petalostemon prostratus Wooton & Standley
Petalostemon scariosus (S. Watson) Wemple
scoparia Gray = Psorothamnus scoparius (Gray) Rydberg
scoparia Gray var. *subrosea* Cockerell = Psorothamnus scoparius (Gray) Rydberg
sessilis (Gray) Tidestrom = Dalea versicolor Zuccarini var. sessilis (Gray) Barneby
tenuifolia (Gray) Shinners [Barneby 1977; W&S]
slim-leaf prairie-clover
Petalostemon tenuifolius Gray
terminalis M.E. Jones = Dalea lanata Sprengel var. terminalis (M.E. Jones) Barneby
urceolata Greene [M&H; W&S]
pinewoods prairie-clover
Parosela urceolata (Greene) Standley
versicolor Zuccarini var. ***sessilis*** (Gray) Barneby [Benson & Darrow 1981; M&H]
oakwoods prairie-clover
Dalea sessilis (Gray) Tidestrom
Dalea wislizeni sensu M&H
Dalea wislizeni Gray var. *sessilis* Gray
villosa (Nuttall) Sprengel [Barneby 1977; M&H]
silky prairie-clover
Petalostemon villosus Nuttall
wislizeni sensu M&H = Dalea versicolor Zuccarini var. sessilis (Gray) Barneby
wislizeni Gray var. *sessilis* Gray = Dalea versicolor Zuccarini var. sessilis (Gray) Barneby
wrightii Gray [M&H; W&S]
Wright's prairie-clover
Parosela wrightii (Gray) Vail

Desmanthus bundle-flower

Luckow, M. 1993. Monograph of *Desmanthus* (Leguminosae- Mimosoideae). Syst. Bot. Monogr. 38:1-166.
Worthington, R.D. 2003. Plant distribution records. The New Mexico Botanist 28:8. [*Desmanthus leptolobus*]

cooleyi (Eaton) Trelease [M&H; W&S]
Cooley's bundle-flower
Acuan jamesii (Torrey & Gray) Kuntze
Desmanthus jamesii Torrey & Gray
glandulosus (B.L. Turner) Luckow [M&H]
glandular bundle-flower

Desmanthus virgatus (Linnaeus) Willdenow var. *glandulosus* B.L. Turner

illinoensis (Michaux) MacMillan ex B.L. Robinson & Fernald [M&H; W&S]

prairie bundle-flower

Acuan illinoense (Michaux) Kuntze

jamesii Torrey & Gray = Desmanthus cooleyi (Eaton) Trelease

****leptolobus*** Torrey & Gray [Worthington 2003]

obtusus S. Watson [M&H]

blunt-pod bundle-flower

Acuan fallax Small

Acuan obtusum (S. Watson) Heller

velutinus Scheele [M&H]

velvet bundle-flower

Acuan velutinum (Scheele) Kuntze

virgatus (Linnaeus) Willdenow var. *glandulosus* B.L. Turner = Desmanthus glandulosus (B.L. Turner) Luckow

Desmodium tick-trefoil

Schubert, B.G. 1950. *Desmodium*: Preliminary studies-III. Rhodora 52:135-155.

Vail, A.M. 1896. Studies in the Leguminosae, -- I. Notes on Meibomia. Bull. Torrey Bot. Club 23:139-141. [*Desmodium psilophyllum*]

Worthington, R.D. 2003. Plant distribution records. The New Mexico Botanist 28:8. [*Desmodium procumbens*]

arizonicum S. Watson [M&H; W&S]

Arizona tick-trefoil

Meibomia arizonica (S. Watson) Vail

batocaulon Gray [M&H; W&S]

San Pedro tick-trefoil

Meibomia batocaulis (Gray) Kuntze

exiguum A. Gray = Desmodium neomexicanum A. Gray

grahamii Gray [M&H; W&S]

Graham's tick-trefoil

Meibomia grahamii (Gray) Kuntze

metcalfei (Rose & Painter) Kearney & Peebles [M&H; W&S]

Metcalfe's tick-trefoil

Meibomia metcalfei Rose & Painter

neomexicanum A. Gray [M&H; W&S]

New Mexico tick-trefoil

Dalea bigelovii A. Gray

Desmodium exiguum A. Gray

Dalea neomexicanum A. Gray var. *bigelovii* (A. Gray) S. Watson

Dalea spirale var. *bigelovii* (A. Gray) B.L. Robinson & J.L. Greenman

Meibomia bigelovii (A. Gray) Kuntze

Meibomia neomexicana (A. Gray) Kuntze

neomexicanum A. Gray var. *bigelovii* (A. Gray) S. Watson = Desmodium neomexicanum A. Gray

procumbens (Millspaugh) A.S. Hitchcock [Worthington 2003]

psilocarpum A. Gray [Isely 1998]

Santa Cruz Island tick-trefoil

psilophyllum Schlectendal [Vail 1896]

single-leaf tick-trefoil

Desmodium wrightii A. Gray

rosei Schubert [M&H]

Rose's tick-trefoil

spirale var. *bigelovii* (A. Gray) B.L. Robinson & J.L. Greenman = Desmodium neomexicanum A. Gray

wrightii A. Gray = Desmodium psilophyllu Schlectendal

Diholcos bisulcatus (Hooker) Rydberg = Astraglus bisulcatus (Hooker) Gray var. bisulcatus

heydenianus (Gray) Rydberg = Astragalus bisulcatus (Hooker) Gray var. bisulcatus

oocalycis (M.E. Jones) Rydberg = Astragalus oocalycis M.E. Jones

Dolicholus texanus (Torrey & A. Gray) Vail = Rhynchosia senna Gillies ex Hooker var. texana (Torrey & A. Gray) M.C. Johnston

Earleocassia bauhinioides (Gray) Britton & Rose = Senna bauhinioides (Gray) Irwin & Barneby

covesii (Gray) Britton & Rose = Senna covesii (Gray) Irwin & Barneby

lindheimeriana (Scheele) Britton = Senna lindheimeriana (Scheele) Irwin & Barneby

roemeriana (Scheele) Britton = Senna roemeriana (Scheele) Irwin & Barneby

Erythrina coral-bean

Krukoff, B.A. & R.C. Barneby. 1974. Conspectus of species of the genus *Erythrina*. Lloydia 37:332-459.

flabelliformis Kearney [M&H; W&S]

coral-bean

Eysenhardtia kidneywood

amorphoides Humboldt, Bonpland, & Kunth var. *orthocarpa* A. Gray = Eysenhardtia orthocarpa (A. Gray) S. Watson

polystachya of NM works, not (Ortega) Sargent = Eysenhardtia orthocarpa (A. Gray) S. Watson

orthocarpa (A. Gray) S. Watson [M&H; W&S]

desert kidneywood

Eysenhardtia amorphoides Humboldt, Bonpland, & Kunth var. *orthocarpa* A. Gray
Eysenhardtia polystachya of NM works, not (Ortega) Sargent
Viborquia orthocarpa (A. Gray) Cockerell

Galactia milk-pea

tephrodes A. Gray = Galactia wrightii A. Gray var. wrightii

wrightii A. Gray var. ***wrightii*** [M&H; W&S]

Wright's milk-pea

Galactia tephrodes A. Gray

Geoprumnon crassicarpum (Nuttall) Rydberg = Astragalus crassicarpus Nuttall var. crassicarpus

Gleditsia honey-locust

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Gleditsia triacanthos*]

****triacanthos*** Linnaeus [Allred 1999]

honey-locust

Glycyrrhiza licorice

lepidota Nuttall ex Pursh [M&H; W&S]

American licorice

Liquivitia lepidota Nuttall

Hamosa austrina Small = Astragalus nuttallianus A.P. de Candolle var. austrinus (Small) Barneby

emoryana Rydberg = Astragalus emoryanus (Rydberg) Cory

feensis (M.E. Jones) Rydberg = Astragalus feensis M.E. Jones

nothoxys (Gray) Rydberg = Astragalus nothoxys Gray

scaposa (Gray) Rydberg = Astragalus calycosus Torrey ex S. Watson var. scaposus (Gray) M.E. Jones

vaccarum (Gray) Rydberg = Astragalus vaccarum Gray

Hedysarum sweet-vetch

boreale Nuttall var. ***boreale*** [Isely 1998; M&H; W&S]

boreal sweet-vetch

Hedysarum pabulare A. Nelson

boreale Nuttall var. ***cinerascens*** (Rydberg) Rollins [Isely 1998]

boreal sweet-vetch

onobrychis Linnaeus = Onobrychis viciifolia Scopoli

pabulare A. Nelson = Hedysarum boreale Nuttall

Hoffmannseggia rush-pea

Simpson, B.B. & B. Miao. 1997. The circumscription of *Hoffmannseggia* (Fabaceae, Caesalpinioideae, Caesalpinieae) and it allies using morphological and cpDNA restriction site data. Pl. Syst. Evol. 205:157-178.

brachycarpa A. Gray : Reported as expected by M&H map; the type, collected by Charles Wright, stated "New Mexico", but no specimens are known from the state; awaits verification.

caudata A. Gray : Reported as expected by M&H map; awaits verification.

Schrammia caudata (A. Gray) Britton & Rose

densiflora Bentham = Hoffmannseggia glauca (Ortega) Eifert

drepanocarpa A. Gray [M&H; W&S]

sickle-pod hog-potato

Caesalpinia drepanocarpa (A. Gray) E.M. Fisher

glauca (Ortega) Eifert [M&H; W&S]

waxy rush-pea

Hoffmannseggia densiflora Bentham

jamesii Torrey & A. Gray = Pomaria jamesii (Torrey & A. Gray) Walpers

Homalobus canovirens Rydberg = Astragalus coltonii M.E. Jones var. moabensis M.E. Jones

hallii (Gray) Rydberg = Astragalus hallii Gray var. hallii

proximus Rydberg = Astragalus proximus (Rydberg) Wooton & Standley

standleyi Rydberg = Astragalus multiflorus (Pursh) Gray

wingatanus (S. Watson) Rydberg = Astragalus wingatanus S. Watson

Hosackia brachycarpa Bentham = Lotus humistratus Greene

purshiana Bentham = Lotus purshianus (Bentham) Clements & Clements

rigida Bentham var. *nummularia* M.E. Jones = Lotus plebeius (Brandegee) Barneby

Indigofera indigo

sphaerocarpa A. Gray [M&H]

Sonoran indigo

Amorpha ovalis M.E. Jones

Jonesiella ellisiae Rydberg = Astragalus praelongus Sheldon var. ellisiae (Rydberg) Barneby

pattersonii (Gray) Rydberg = Astragalus pattersonii Gray in Brandegee

recedens Greene = Astragalus praelongus Sheldon var. praelongus

Krameria = see KRAMERIACEAE

Kummerowia striata (Thunberg) Schindler [=Lespedeza striata (Thunberg) Hooker & Arnott] : Reported without documentation by Kartesz (1999); awaits verification.

Lathyrus sweetpea

Allred, K.W. 2003. Plant distribution reports. The New Mexico Botanist 25:7. [*Lathyrus brachycalyx* var. *zionis*]

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*L. pauciflorus utahensis*]

Hitchcock, C.L. 1952. A revision of the North American species of *Lathyrus*. Univ. Wash. Publ. Biol. 15:1-104.
Johnson, S. & K.W. Allred. 2003. A taxonomic review of the tendril-bearing legumes (Leguminosae) in New Mexico. I. *Lathyrus*. The New Mexico Botanist 25:1-7.
Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Lathyrus latifolius*]

arizonicus Britton [Johnson & Allred 2003; M&H; W&S]
Arizona sweetpea

brachycalyx Rydberg var. ***zionis*** (C.L. Hitchcock) Welsh [Allred 2003; Johnson & Allred 2003]
Zion's sweetpea

decaphyllus Pursh = Lathyrus eucosmus Butters & St. John

eucosmus Butters & St. John [Johnson & Allred 2003; M&H; W&S]
bush sweetpea
Lathyrus decaphyllus Pursh

graminifolius (S. Watson) White [Johnson & Allred 2003; M&H; W&S]
grass-leaf sweetpea
Lathyrus palustris Linnaeus var. *graminifolius* S. Watson

****hirsutus*** Linnaeus [Isely 1998; Johnson & Allred 2003]
Singletary sweetpea

incanus (Smyth & Rydberg) Rydberg = Lathyrus polymorphus Nuttall subsp. incanus (Smyth & Rydberg) C.L. Hitchcock

laetivirens Green ex Rydberg : Reported by various authors, but not in NM in the circumscription of Johnson & Allred (2003).
Lathyrus lanzwertii Kellogg var. *laetivirens* (Greene ex Rydberg) Welsh
Lathyrus leucanthus Rydberg var. *laetivirens* (Greene ex Rydberg) C.L Hitchcock

lanzwertii Kellogg var. lanzwertii : Reported by Isely (1998), but not in NM in the circumscription of Johnson & Allred (2003).

lanzwertii Kellogg var. *laetivirens* (Greene ex Rydberg) Welsh = Lathyrus laetivirens Greene ex Rydberg

lanzwertii Kellogg var. *leucanthus* (Rydberg) Dorn = Lathyrus leucanthus Rydberg

lanzwertii Kellogg var. pallescens Barneby : Reported by Barneby (1989), but not in NM in the circumscription of Johnson & Allred (2003).

****latifolius*** Linnaeus [Johnson & Allred 2003; Spellenberg et al. 1986]
everlasting-pea

leucanthus Rydberg var. *laetivirens* (Greene ex Rydberg) C.L. Hitchcock = Lathyrus laetivirens Greene ex Rydberg

leucanthus Rydberg [Johnson & Allred 2003; M&H; W&S]
Rocky Mountain sweet-pea
Lathyrus lanzwertii Kellogg var. *leucanthus* (Rydberg) Dorn

oreophilus Wooton & Standley = Lathyrus venosus Muhlenberg ex Willdenow var. intonsus (Butters & St. John) C.L. Hitchcock

ornatus Nuttall var. *incanus* Smyth & Rydberg = Lathyrus polymorphus Nuttall subsp. incanus (Smyth & Rydberg) C.L. Hitchcock

palustris Linnaeus var. *graminifolius* S. Watson = Lathyrus graminifolius (S. Watson) White

parvifolius S. Watson : Reported by W&S, but this is a Mexican species not found in NM (Hitchcock 1952).

pauciflorus Fernald var. utahensis (M.E. Jones) Piper ex M.E. Peck : Reported by Heil et al. (2002), but the specimen in question (Heil & Mietty 14908) is corrected to Lathyrus eucosmus (Johnson & Allred 2003).

polymorphus Nuttall subsp. ***incanus*** (Smyth & Rydberg) C.L. Hitchcock [Johnson & Allred 2003; M&H; W&S]
hoary sweetpea
Lathyrus incanus (Smyth & Rydberg) Rydberg
Lathyrus ornatus Nuttall var. *incanus* Smyth & Rydberg

polymorphus Nuttall subsp. polymorphus : Reported as expected by M&H map; awaits verification.

tingitanus Linnaeus : Planted at Bosque del Apache (Socorro Co.) in 1957, but not persisting and not known in the wild in NM (Johnson & Allred 2003).

****venosus*** Muhlenberg ex Willdenow var. ***intonsus*** Butters & St. John [Johnson & Allred 2003; M&H; W&S]
veiny sweetpea
Lathyrus oreophilus Wooton & Standley

Leptoglottis occidentalis (Wooton & Standley) Britton & Rose = Mimosa quadrivalvis Linnaeus var. occidentalis (Wooton & Standley) Barneby

Lespedeza striata (Thunberg) Hooker & Arnott : Reported without documentation by Kartesz (1999); awaits verification.

Leucaena leadtree

Hughes, C. 1998. Monograph of *Leucaena* (Leguminosae-Mimosoideae). Syst. Bot. Monogr. 55:1-244. [*L. retusa*]

retusa Bentham [Hughes 1998]
little-leaf leadtree

Liquivitia lepidota Nuttall = Glycyrrhiza lepidota Nuttall ex Pursh

Lotus trefoil

Barneby, R.C. 1989. *Lotus*, pp. 190-198. IN: Intermountain Flora, vol. 3. New York Botanical Garden.
Isely, D. 1981. Leguminosae of the United States:III. Subfamily Papilionoideae: Tribes Sophoreae, Podalyrieae, Loteae. Mem. N.Y. Bot. Gard. 25(3):1-264.
Ottley, A.M. 1944. The American Loti with special consideration of aproposed new section, *Simpeteria*. Brittonia 5:81-123.

americanus (Nuttall) Rydberg = Lotus purshianus (Bentham) Clements & Clements

****corniculatus*** Linnaeus [M&H]
birds-foot trefoil

greenei Ottley ex Kearney & Peebles [M&H; W&S]
Greene's trefoil
Anisolotus mollis (Greene) Heller

humistratus Greene [M&H; W&S]
foothill trefoil

Anisolotus brachycarpus (Bentham) Rydberg
Anisolotus trispermus (Greene) Wooton & Standley
Hosackia brachycarpa Bentham
Lotus trispermus Greene

neomexicanus Greene = Lotus plebeius (Brandegee) Barneby
×*nummularius* (M.E. Jones) Tidestrom = Lotus plebeius (Brandegee) Barneby
oroboides (Humboldt, Bonpland, & Kunth) Ottley var. *nanus* (A. Gray) Isely = Lotus plebeius (Brandegee) Barneby
oroboides (Humboldt, Bonpland, & Kunth) Ottley var. *nummularis* (Jones) Isely = Lotus plebeius (Brandegee) Barneby
oroboides (Humboldt, Bonpland, & Kunth) Ottley var. *oroboides* = Lotus plebeius (Brandegee) Barneby

plebeius (Brandegee) Barneby [Isely 1981; M&H; W&S]
New Mexico trefoil
Anisolotus neomexicanus (Greene) Heller
Anisolotus nummularius (M.E. Jones) Wooton & Standley
Anisolotus puberulus (Bentham) Wooton & Standley
Hosackia rigida Bentham var. *nummularia* M.E. Jones
Lotus neomexicanus Greene
Lotus oroboides (Humboldt, Bonpland, & Kunth) Ottley var. *nanus* (A. Gray) Isely
Lotus oroboides (Humboldt, Bonpland, & Kunth) Ottley var. *nummularis* (Jones) Isely
Lotus oroboides (Humboldt, Bonpland, & Kunth) Ottley var. *oroboides*
Lotus ×*nummularius* (M.E. Jones) Tidestrom
Lotus puberulus (Bentham) Greene

puberulus (Bentham) Greene = Lotus plebeius (Brandegee) Barneby

purshianus (Bentham) Clements & Clements [M&H; W&S]
Pursh's trefoil
Acmispon americanum (Nuttall) Rydberg
Hosackia purshiana Bentham
Lotus americanus (Nuttall) Rydberg

rigidus (Bentham) Greene : Reported by W&S (as Anisolotus rigidus Bentham), but not occurring in NM (Barneby 1989; M&H).
trispermus Greene = Lotus humistratus Greene

wrightii (A. Gray) Greene [M&H; W&S]
Wright's trefoil
Anisolotus wrightii (A. Gray) Rydberg

Lupinus lupine

Barneby, R.C. 1989. *Lupinus*, pp. 237-267. IN: Intermountain Flora, vol. 3. New York Botanical Garden.
Great Plains Flora Association. 1977. Atlas of the Flora of the Great Plains. Iowa State Univ. Press. 600 pp. [*Lupinus argenteus* var. *parviflorus*]
Peterson, R.S. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Lupinus argenteus* var. *argentatus*]

aduncus Greene = Lupinus argenteus Pursh var. argophyllus (Gray) S. Watson
alpestris A. Nelson = Lupinus argenteus Pursh var. rubricaulis (Greene) Welsh
ammophilus Greene = Lupinus polyphyllus Lindley var. ammophilus (Greene) Barneby
amplus Greene = Lupinus polyphyllus Lindley var. prunophilus (M.E. Jones) L. Phillips
aquilinus Wooton & Standley = Lupinus sierra-blancae Wooton & Standley subsp. aquilinus (Wooton & Standley) Fleak & D. Dunn

argenteus Pursh var. ***argentatus*** (Rydberg) Barneby [Barneby 1989; Peterson 2000]
silvery lupine

argenteus Pursh var. ***argenteus*** [M&H]
silvery lupine
Lupinus cutleri Eastwood
Lupinus sitgreavesii S. Watson

argenteus Pursh var. ***argophyllus*** (Gray) S. Watson [M&H; W&S]
silvery lupine
Lupinus aduncus Greene
Lupinus argophyllus (Gray) Cockerell
Lupinus caudatus Kellogg subsp. *agrophyllus* (Gray) Phillips
Lupinus helleri Greene

argenteus Pursh var. ***fulvomaculatus*** (Payson) Barneby [M&H; W&S]
silvery lupine
Lupinus ingratus Greene

argenteus Pursh var. ***hillii*** (Greene) Barneby [M&H]
Hill's silvery lupine
Lupinus hillii Greene
Lupinus osterhoutianus C.P. Smith

argenteus Pursh var. ***laxiflorus*** (Douglas ex Lindley) Dorn [M&H]
Lupinus argenteus Pursh var. *stenophyllus* (Rydberg) Davis

argenteus Pursh var. ***myrianthus*** (Greene) Isely [M&H]
silvery lupine
Lupinus floribundus Greene

argenteus Pursh var. ***palmeri*** (S. Watson) Barneby [M&H; W&S]
Palmer's silvery lupine
Lupinus palmeri S. Watson

argenteus Pursh var. ***parviflorus*** (Nuttall ex Hooker & Arnott) C.L. Hitchcock [Great Plains Flora Association 1977]
silvery lupine
argenteus Pursh var. ***rubricaulis*** (Greene) Welsh [M&H]
silvery lupine
Lupinus alpestris A. Nelson
Lupinus rubricaulis Greene
argenteus Pursh var. *stenophyllus* (Rydberg) Davis = Lupinus argenteus Pursh var. laxiflorus (Douglas ex Lindley) Dorn
argillaceus Wooton & Standley = Lupinus kingii S. Watson
argophyllus (Gray) Cockerell = Lupinus argenteus Pursh var. argophyllus (Gray) S. Watson
bakeri Greene = Lupinus sericeus Pursh
brevicaulis S. Watson [M&H; W&S]
short-stem lupine
Lupinus dispersus Heller
caudatus Kellogg subsp. *argophyllus* (Gray) Phillips = Lupinus argenteus Pursh var. argophyllus (Gray) S. Watson
concinnus Agardh var. ***concinnus*** [M&H]
annual lupine
concinnus Agardh var. ***orcuttii*** (S. Watson) C.P. Smith [M&H; W&S]
Orcutt's annual lupine
Lupinus micensis M.E. Jones
Lupinus orcuttii S. Watson
cutleri Eastwood = Lupinus argenteus Pursh var. argenteus
dispersus Heller = Lupinus brevicaulis S. Watson
floribundus Greene = Lupinus argenteus Pursh var. myrianthus (Greene) Isely
helleri Greene = Lupinus argenteus Pursh var. argophyllus (Gray) S. Watson
hillii Greene = Lupinus argenteus Pursh var. hillii (Greene) Barneby
ingratus Greene = Lupinus argenteus Pursh var. fulvomaculatus (Payson) Barneby
kingii S. Watson [M&H; W&S]
King's lupine
Lupinus argillaceus Wooton & Standley
Lupinus kingii S. Watson var. *argillaceus* (Wooton & Standley) C.P. Smith
Lupinus sileri S. Watson
kingii S. Watson var. *argillaceus* (Wooton & Standley) C.P. Smith = Lupinus kingii S. Watson
laetus Wooton & Standley = Lupinus latifolius Agardh var. leucanthus (Rydberg) Isely
latifolius Lindley ex Agardh var. ***leucanthus*** (Rydberg) Isely [M&H; W&S]
broad-leaf lupine
Lupinus laetus Wooton & Standley
lepidus Douglas ex Lindley var. ***utahensis*** (Watson) C.L. Hitchcock [Heil et al. 2002]
elegant lupine
micensis M.E. Jones = Lupinus concinnus Agardh var. orcuttii (S. Watson) C.P. Smith
neomexicanus Greene [M&H; W&S]
New Mexico lupine
orcuttii S. Watson = Lupinus concinnus Agardh var. orcuttii (S. Watson) C.P. Smith
osterhoutianus C.P. Smith = Lupinus argenteus Pursh var. hillii (Greene) Barneby
palmeri S. Watson = Lupinus argenteus Pursh var. palmeri (S. Watson) Barneby
plattensis S. Watson [M&H]
Nebraska lupine
polyphyllus Lindley var. ***ammophilus*** (Greene) Barneby [M&H; W&S]
sand lupine
Lupinus ammophilus Greene
polyphyllus Lindley var. ***prunophilus*** (M.E. Jones) L. Phillips [M&H; W&S]
big-leaf lupine
Lupinus amplus Greene
pusillus Pursh [M&H; W&S]
rusty lupine
Lupinus pusillus Pursh var. *intermontanus* (Heller) C. P. Smith
Lupinus pusillus Pursh subsp. *rubens* (Rydberg) Dunn
Lupinus rubens Rydberg
pusillus Pursh var. *intermontanus* (Heller) C. P. Smith = Lupinus pusillus Pursh
pusillus Pursh subsp. *rubens* (Rydberg) Dunn = Lupinus pusillus Pursh
rubricaulis Greene = Lupinus argenteus Pursh var. rubricaulis (Greene) Welsh
sericeus Pursh [M&H]
silky lupine
Lupinus bakeri Greene
sierra-blancae Wooton & Standley subsp. *aquilinus* (Wooton & Standley) Fleak & D. Dunn = Lupinus sierra-blancae Wooton & Standley
+sierra-blancae Wooton & Standley [M&H; W&S]
White Mountain lupine

Lupinus aquilinus Wooton & Standley
Lupinus sierra-blancae Wooton & Standley subsp. *aquilinus* (Wooton & Standley) Fleak & D. Dunn
sileri S. Watson = Lupinus kingii S. Watson
sitgreavesii S. Watson = Lupinus argenteus Pursh var. argenteus
sparsiflorus Bentham subsp. ***mohavensis*** Dziekanowski & D. Dunn [M&H]
Mohave lupine

Macroptilium bush-bean

Buhrow, R. 1983. The wild beans of southwestern North America. Desert Plants 5(2):67-88.

****gibbosifolium*** (Ortega) A. Delgado [Buhrow 1983; M&H; W&S]
bush-bean
Phaseolus heterophyllus Willdenow var. *heterophyllus*
Phaseolus heterophyllus Willdenow var. *rotundifolius* (Gray) Piper
Phaseolus macropoides Gray
Phaseolus rotundifolius Gray

Marina prairie-clover

Barneby, R.C. 1977. Daleae Imagines. Mem. New York Bot. Gard. 27:1-892.

calycosa (Gray) Barneby [Barneby 1977; M&H; W&S]
San Pedro prairie-clover
Dalea calycosa Gray
Parosela calycosa (Gray) Heller

Medicago medick

Small, E. & M. Jomphe. 1989. A synopsis of the genus *Medicago* (Leguminosae). Can. J. Bot. 67:3260-3294.

hispida Gaertner = Medicago polymorpha Linnaeus
****lupulina*** Linnaeus [M&H; W&S]
black medick
****polymorpha*** Linnaeus [M&H]
toothed medick
Medicago hispida Gaertner
****sativa*** Linnaeus [M&H; W&S]
alfalfa

Meibomia arizonica (S. Watson) Vail = Desmodium arizonicum S. Watson
batocaulis (Gray) Kuntze = Desmodium batocaulon Gray
bigelovii (Gray) Kuntze = Desmodium neomexicanum Gray
grahamii (Gray) Kuntze = Desmodium grahamii Gray
metcalfei Rose & Painter = Desmodium metcalfei (Rose & Painter) Kearney & Peebles
neomexicana (Gray) Kuntze = Desmodium neomexicanum Gray

Melilotus sweet-clover

Stevenson, G.A. 1969. An agronomic and taxonomic review of the genus *Melilotus* Miller Canad. J. Pl. Sci. 49:1-20.

****albus*** Medikus [M&H; W&S]
white sweet-clover
****indicus*** (Linnaeus) Allioni [M&H; W&S]
Indian sweet-clover
Melilotus parviflora Desfontaines
Trifolium melilotus-indica Linnaeus
****officinalis*** (Linnaeus) Pallas [M&H; W&S]
yellow sweet-clover
Trifolium melilotus-officinalis Linnaeus
parviflora Desfontaines = Melilotus indicus (Linnaeus) Allioni

Mimosa mimosa

Barneby, R.C. 1991. Sensitivae Censitae. Mem. N.Y. Bot. Gard. 65:1-835.
Isely, D. 1971. Legumes of the United States. IV. Mimosa. Am. Midland Naturalist 85(2):410-424.
Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Mimosa quadrivalvis* var. *angustata*]

aculeaticarpa Ortega var. ***biuncifera*** (Bentham) Barneby [Isely 1998; M&H; W&S]
wait-a-minute-bush
Mimosa biuncifera Bentham
Mimosa biuncifera Bentham var. *glabrescens* Gray
Mimosa biuncifera Bentham var. *lindheimeri* (Gray) Robinson
Mimosa flexuosa Bentham
Mimosa lindheimeri Gray
Mimosa warnockii B.L. Turner
Mimosopsis biuncifera (Bentham) Britton & Rose
Mimosopsis biuncifera (Bentham) Britton & Rose var. *flexuosa* (Bentham) Robinson
Mimosopsis flexuosa (Bentham) Britton & Rose
biuncifera Bentham = Mimosa aculeaticarpa Ortega var. biuncifera (Bentham) Barneby
biuncifera Bentham var. *glabrescens* Gray = Mimosa aculeaticarpa Ortega var. biuncifera (Bentham) Barneby
biuncifera Bentham var. *lindheimeri* (Gray) Robinson = Mimosa aculeaticarpa Ortega var. biuncifera (Bentham) Barneby
borealis Gray [Barneby 1991; M&H; W&S]

fragrant mimosa
Mimosa fragrans Gray
flexuosa Bentham = Mimosa aculeaticarpa Ortega var. biuncifera (Bentham) Barneby
dysocarpa Bentham [Barneby 1991; M&H; W&S]
velvety mimosa
Mimosa dysocarpa Bentham var. *wrightii* (Gray) Kearney & Peebles
Mimosa wrightii Gray
dysocarpa Bentham var. *wrightii* (Gray) Kearney & Peebles = Mimosa dysocarpa Bentham
fragrans Gray = Mimosa borealis Gray
grahamii Gray var. ***grahamii*** [Barneby 1991; M&H; W&S]
Graham's mimosa
Mimosa grahamii Gray var. *lemmonii* (Gray) Kearney & Peebles
Mimosa lemmonii Gray
grahamii Gray var. *lemmonii* (Gray) Kearney & Peebles = Mimosa grahamii Gray var. grahamii
lemmonii Gray = Mimosa grahamii Gray
lindheimeri Gray = Mimosa aculeaticarpa Ortega var. biuncifera (Bentham) Barneby
quadrivalvis Linnaeus var. ***angustata*** (Torrey & Gray) Barneby [Spellenberg et al. 1986]
sensitive briar
Schrankia uncinata Willdenow
quadrivalvis Linnaeus var. ***occidentalis*** (Wooton & Standley) Barneby [Barneby 1991; M&H; W&S]
western sensitive briar
Leptoglottis occidentalis (Wooton & Standley) Britton & Rose
Mimosa rupertiana B.L. Turner
Morongia occidentalis Wooton & Standley
Schrankia occidentalis (Wooton & Standley) Standley
rupertiana B.L. Turner = Mimosa quadrivalvis Linnaeus var. occidentalis (Wooton & Standley) Barneby
warnockii B.L. Turner = Mimosa aculeaticarpa Ortega var. biuncifera (Bentham) Barneby
wrightii Gray = Mimosa dysocarpa Bentham
Mimosopsis biuncifera (Bentham) Britton & Rose = Mimosa aculeaticarpa Ortega var. biuncifera (Bentham) Barneby
biuncifera (Bentham) Britton & Rose var. *flexuosa* (Bentham) Robinson = Mimosa aculeaticarpa Ortega var. biuncifera (Bentham) Barneby
flexuosa (Bentham) Britton & Rose = Mimosa aculeaticarpa Ortega var. biuncifera (Bentham) Barneby
Morongia occidentalis Wooton & Standley = Mimosa quadrivalvis Linnaeus var. occidentalis (Wooton & Standley) Barneby

Onobrychis sainfoin
onobrychis (Linnaeus) Rydberg = Onobrychis viciifolia Scopoli
sativa Lamarck = Onobrychis viciifolia Scopoli
viciifolia Scopoli [M&H; W&S]
sainfoin
Hedysarum onobrychis Linnaeus
Onobrychis onobrychis (Linnaeus) Rydberg
Onobrychis sativa Lamarck

Oxytropis crazyweed
Barneby, R.C. 1952. A revision of the North American species of *Oxytropis* A.P. de Candolle Proc. Calif. Acad. Sci. 27(7):177-312.
Sivinski, R. 1993. Noteworthy collections (New Mexico). Madroño 40:273-274. [*Oxytropis deflexa* var. *deflexa*]
Welsh, S.L. 1995. North American types of *Oxytropis* A.P. de Candolle (Leguminosae) at the Natural History Museum and Royal Botanic Garden, England, with nomenclatural comments and a new variety. Great Basin Naturalist 55:271-281.
Welsh, S.L. 2001. Revision of North American species of Oxytropis A.P. de Candolle (Leguminosae). Publ. by the author.
deflexa (Pallas) A.P. de Candolle var. *deflexa* of NM works = Oxytropis deflexa (Pallas) A.P. de Candolle var. pulcherrima Welsh & A. Huber
deflexa (Pallas) A.P. de Candolle var. ***pulcherrima*** Welsh & A. Huber [Sivinski 1993; W&S; Welsh 1995]
drooping crazyweed
Oxytropis deflexa (Pallas) A.P. de Candolle var. *deflexa* of NM works
deflexa (Pallas) A.P. de Candolle var. ***sericea*** Torrey & Gray [M&H; Welsh 2001]
drooping crazyweed
lambertii Pursh var. ***articulata*** (Greene) Barneby [Barneby 1952]
Lambert's crazyweed
lambertii Pursh var. ***bigelovii*** Gray [M&H; W&S; Welsh 2001]
Bigelow's crazyweed
nothoxys (Gray) M.E. Jones = Astragalus nothoxys Gray
parryi Gray [M&H; W&S; Welsh 2001]
Parry's crazyweed
Aragallus parryi (Gray) Greene
Astragalus parryanus Tidestrom
pinetorum (Heller) Wooton & Standley = Oxytropis sericea Nuttall
richardsonii (Hooker) Wooton & Standley = Oxytropis splendens Douglas
sericea Nuttall var. ***sericea*** [M&H; W&S; Welsh 2001]
white crazyweed
Aragallus pinetorum Heller

Aragallus pinetorum Heller var. vegana Cockerell
Oxytropis pinetorum (Heller) Wooton & Standley
Oxytropis vegana (Cockerell) Wooton & Standley

splendens Douglas ex Hooker [M&H; W&S; Welsh 2001]
whorled crazyweed
Aragallus splendens (Douglas ex Hooker) Greene
Oxytropis richardsonii (Hooker) Wooton & Standley
Oxytropis splendens Douglas ex Hooker var. *richardsonii* Hooker

splendens Douglas ex Hooker var. *richardsonii* Hooker = Oxytropis splendens Douglas ex Hooker
vegana (Cockerell) Wooton & Standley = Oxytropis sericea Nuttall

Parkinsonia palo-verde
Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Parkinsonia aculeata*]

****aculeata*** Linnaeus [Allred 1999]
Mexican palo-verde

Parosela albiflora (Gray) Vail = Dalea albiflora Gray
argyraea (Gray) Heller = Dalea
aurea (Nuttall) Britton = Dalea aurea Nuttall
brachystachys (Gray) Heller = Dalea brachystachys Gray
calycosa (Gray) Heller = Marina calycosa (Gray) Barneby
carnescens Rydberg = Dalea nana Torrey ex Gray var. carnescens (Rydberg) Kearney & Peebles
dalea of NM works = Dalea leporina (Aiton) Bullock
enneandra (Nuttall) Britton = Dalea enneandra Nuttall
filiformis (Gray) Heller = Dalea filiformis Gray
formosa (Torrey) Vail = Dalea formosa Torrey
frutescens (Gray) Vail = Dalea frutescens Gray
glaberrima (S. Watson) Rose = Dalea lanata Sprengel var. terminalis (M.E. Jones) Barneby
grayi Vail = Dalea grayi (Vail) L.O. Williams
greggii (Gray) Heller = Dalea greggii Gray
jamesii (Torrey) Vail = Dalea jamesii (Torrey) Torrey & Gray
lachnostachys (Gray) Heller = Dalea lachnostachys Gray
lanata (Sprengel) Britton = Dalea lanata Sprengel
lemmonii (Parry) Heller : Reported by Campbell & Little (1935), but the identification is correct to Dalea brachystachys Gray.
nana (Torrey) Heller = Dalea nana Torrey
ordiae (Gray) Heller = Dalea albiflora Gray
pogonathera (Gray) Vail = Dalea pogonathera Gray
polygonoides (Gray) Heller = Dalea polygonoides Gray
scoparia (Gray) Heller = Psorothamnus scoparius (Gray) Rydberg
terminalis (M.E. Jones) Heller = Dalea lanata Sprengel var. terminalis (M.E. Jones) Barneby
urceolata (Greene) Standley = Dalea urceolata Greene
wrightii (Gray) Vail = Dalea wrightii Gray

Parryella dune-broom
Rydberg, P.A. 1928. *Parryella*. Amer. J. Bot. 15:425-426.

filifolia Torrey & Gray ex Gray [M&H; W&S]
dune-broom

Pediomelum breadroot
Grimes, J.W. 1990. A revision of the New World species of Psoraleae (Leguminosae: Papilionoideae). Mem. N.Y. Bot. Gard. 61:1-113.

argophyllum (Pursh) Grimes [M&H; W&S]
silver-leaf breadroot
Psoralea argophylla Pursh
Psoralidium argophyllum (Pursh) Rydberg

digitatum (Nuttall ex Torrey & Gray) Grimes [M&H]
palm-leaf breadroot
Psoralea digitata Nuttall
Psoralidium digitatum (Nuttall) Rydberg

esculentum (Pursh) Rydberg [M&H]
Indian breadroot
Psoralea esculenta Pursh

hypogaeum (Nuttall ex Torrey & Gray) Rydberg [M&H; W&S]
subterranean breadroot
Psoralea hypogaea Nuttall

linearifolium (Torrey & Gray) Grimes [Isely 1998]
narrow-leaf breadroot
Psoralea linearifolia Torrey & Gray
Psoralidium linearifolium (Torrey & Gray) Rydberg

megalanthum (Wooton & Standley) Rydberg [M&H; W&S]
intermountain breadroot
Psoralea megalantha Wooton & Standley

pentaphyllum (Linnaeus) Grimes [M&H]

small breadroot
Psoralea trinervata (Rydberg) Standley
Pediomelum trinervatum Rydberg
trinervatum Rydberg = Pediomelum pentaphyllum (Linnaeus) Grimes
Petalostemon candidus (Willdenow) Michaux var. *candidus* = Dalea candida Willdenow var. candida
candidus (Willdenow) Michaux var. *oligophyllus* (Torrey) F.J. Hermann = Dalea candida Willdenow var. oligophylla (Torrey) Shinners
compactus (Sprengel) Swezey = Dalea compacta Sprengel
exilis Gray = Dalea exigua Barneby
gracilis Nuttall var. *oligophyllus* Torrey = Dalea candida Muhlenberg ex Willdenow var. candida
macrostachyus Torrey = Dalea cylindriceps Barneby
molle Rydberg = Dalea purpurea Ventenat var. purpurea
occidentalis (Gray ex Heller) Fernald = Dalea candida Willdenow var. oligophylla (Torrey) Shinners
oligophyllus (Torrey) Rydberg = Dalea candida Willdenow var. oligophylla (Torrey) Shinners
prostratus Wooton & Standley = Dalea scariosa S. Watson
pulcherrimus (Heller) Heller = Dalea compacta Sprengel var. pubescens (Gray) Barneby
purpureum (Ventenat) Rydberg = Dalea purpurea Ventenat var. purpurea
purpureum (Ventenat) Rydberg var. *molle* (Rydberg) A. Nelson = Dalea purpurea Ventenat var. purpurea
scariosus (S. Watson) Wemple = Dalea scariosa S. Watson
tenuifolius Gray = Dalea tenuifolia (Gray) Shinners
villosus Nuttall = Dalea villosa (Nuttall) Sprengel var. villosa
violaceum Michaux = Dalea purpurea Ventenat var. purpurea
Peteria peteria
Porter, C.L. 1956. The genus *Peteria* (Leguminosae). Rhodora 58:344-354.
scoparia Gray [M&H; W&S]
rush peteria
Phaca allochroa (Gray) Rydberg = Astragalus allochrous Gray var. allochrous
bisulcata Hooker = Astragalus bisulcatus (Hooker) Gray var. bisulcatus
glabriuscula Hooker = Astragalus australis (Linnaeus) Lamarck
lotiflora (Hooker) Torrey & Gray = Astragalus lotiflorus Hooker
macrocarpa Gray = Astragalus lonchocarpus Torrey
robbinsii Oakes = Astragalus robbinsii (Oakes) Gray var. minor (Hooker) Barneby
sabulonum (Gray) Rydberg = Astragalus sabulonum Gray
salsula Pallas = Sphaerophysa salsula (Pallas) A.P. de Candolle
thurberi (Gray) Kearney = Astragalus thurberi Gray
villosa James ex S. Watson = Astragalus mollissimus Torrey var. mollissimus
wootonii (Sheldon) Rydberg = Astragalus allochrous Gray var. playanus (M.E. Jones) Isely
Phacopsis pattersonii (Gray) Rydberg = Astragalus pattersonii Gray in Brandegee
Phaseolus bean
Buhrow, R. 1983. The wild beans of southwestern North America. Desert Plants 5(2):67-88.
Lackey, J.A. 1983. A review of generic concepts in American Phaseolinae (Fabaceae), Faboideae). Iselya 2(2):21-64.
acutifolius Gray var. ***acutifolius*** [M&H; W&S]
tepary bean
acutifolius Gray var. ***tenuifolius*** Gray [M&H; W&S]
tepary bean
Phaseolus tenuifolius (Gray) Wooton & Standley
angustissimus Gray var. ***angustissimus*** [M&H; W&S]
narrow-leaf bean
angustissimus Gray var. ***latus*** M.E. Jones [M&H; W&S]
narrow-leaf bean
Phaseolus dilatatus Wooton & Standley
dilatatus Wooton & Standley = Phaseolus angustissimus Gray var. latus M.E. Jones
filiformis Bentham [M&H]
slimjim bean
Phaseolus wrightii Gray
grayanus Wooton & Standley = Phaseolus pedicellatus Bentham var. grayanus (Wooton & Standley) Delgado ex Isely
heterophyllus Willdenow var. *heterophyllus* = Macroptilium gibbosifolium (Ortega) A. Delgado
heterophyllus Willdenow var. *rotundifolius* (Gray) Piper = Macroptilium gibbosifolium (Ortega) A. Delgado
leiospermus Torrey & Gray = Strophostyles leiosperma (Torrey & Gray) Piper
macropoides Gray = Macroptilium gibbosifolium (Ortega) A. Delgado
maculatus Scheele [M&H; W&S]
spotted bean
Phaseolus metcalfei Wooton & Standley
Phaseolus retusus Bentham, non Moench
metcalfei Wooton & Standley = Phaseolus maculatus Scheele
parvulus Greene [M&H; W&S]
Pinos Altos bean
Alepidocalyx parvulus (Greene) Piper
Phaseolus grayanus Wooton & Standley

pedicellatus Bentham var. ***grayanus*** (Wooton & Standley) Delgado ex Isely [M&H; W&S]
Sonoran bean
Phaseolus wrightii Gray var. *grayanus* (Wooton & Standley) Kearney & Peebles
pauciflora = Phaseolus leiospermus Torrey & Gray
retusus Bentham, non Moench = Phaseolus maculatus Scheele
rotundifolius Gray = Macroptilium gibbosifolium (Ortega) A. Delgado
tenuifolius (Gray) Wooton & Standley = Phaseolus acutifolius Gray var. tenuifolius Gray
wrightii Gray = Phaseolus filiformis Bentham
wrightii Gray var. *grayanus* (Wooton & Standley) Kearney & Peebles = Phaseolus pedicellatus Bentham var. grayanus (Wooton & Standley Delgado ex Isely
Pisophaca datilensis Rydberg = Astragalus humistratus Gray var. humistratus
famelica (Sheldon) Rydberg = Astragalus hallii Gray var. fallax Barneby
flexuosa (Douglas) Rydberg = Astragalus flexuosus (Hooker) Douglas ex G. Don var. flexuosus
gertrudis (Greene) Rydberg = Astragalus puniceus Osterhout var. gertrudis (Greene) Barneby
hallii (Gray) Rydberg = Astragalus hallii Gray var. hallii
neomexicana (Wooton & Standley) Rydberg = Astragalus neomexicana Wooton & Standley
proxima Rydberg = Astragalus proximus (Rydberg) Wooton & Standley
punicea (Osterhout) Rydberg = Astragalus puniceus Osterhout var. puniceus
ratonensis Rydberg = Astragalus flexuosus (Hooker) Douglas ex G. Don var. flexuosus
sierra-blancae Rydberg = Astragalus flexuosus (Hooker) Douglas ex G. Don var. flexuosus
Poinciana gilliesii Hooker = Caesalpinia gilliesii Wall.

Pomaria pomaria
Simpson, B.B. 1998. A revision of *Pomaria* (Fabaceae) in North America. Lundellia 1:46-71.
jamesii (Torrey & Gray) Walpers [M&H; W&S]
James's hog-potato
Caesalpinia jamesii (Torrey & Gray) Fisher
Hoffmannseggia jamesii Torrey & Gray

Prosopis mesquite
Benson, L. 1941. The mesquites and screw-beans of the United States. Amer. J. Bot. 28:748-754.
Burkart, A. 1976. A monograph of the genus *Prosopis* (Leguminosae subfamily Mimosoideae). J. Arnold Arb. 57:219-249, 450-525.
Johnston, M.C. 1962. The North American mesquites, *Prosopis* sect. *Algarobia* (Leguminosae). Brittonia 14:72-90.
glandulosa Torrey var. ***glandulosa*** [M&H; W&S]
honey mesquite
glandulosa Torrey var. ***torreyana*** (L. Benson) M.C. Johnston [M&H]
Torrey's honey mesquite
Prosopis juliflora (Swartz) A.P. de Candolle var. *torreyana* L. Benson
juliflora (Swartz) A.P. de Candolle var. *torreyana* L. Benson = Prosopis glandulosa Torrey var. torreyana (L. Benson) M.C. Johnston
juliflora (Swartz) A.P. de Candolle var. *velutina* (Wooton) Sargent = Prosopis velutina Wooton
odorata (Torrey & Fremont) Torrey & Fremont emend. Welsh = Prosopis pubescens Bentham
pubescens Bentham [M&H; W&S]
screwbean mesquite, tornillo
Prosopis odorata (Torrey & Fremont) Torrey & Fremont emend. Welsh
Strombocarpa pubescens (Bentham) Gray
velutina Wooton [M&H; W&S]
velvet mesquite
Prosopis juliflora (Swartz) A.P. de Candolle var. *velutina* (Wooton) Sargent
Psoralea argophylla Pursh = Pediomelum argophyllum (Pursh) Grimes
digitata Nuttall = Pediomelum digitatum (Nuttall ex Torrey & Gray) Grimes
esculenta Pursh = Pediomelum esculentum (Pursh) Rydberg
hypogaea Nuttall = Pediomelum hypogaeum (Nuttall ex Torrey & Gray) Rydberg
lanceolata Pursh = Psoralidium lanceolatum (Pursh) Rydberg
linearifolia Torrey & Gray = Pediomelum linearifolium (Torrey & Gray) Grimes
megalantha Wooton & Standley = Pediomelum megalanthum (Wooton & Standley) Rydberg
micrantha Torrey = Psoralidium lanceolatum (Pursh) Rydberg
tenuiflora Pursh var. *bigelovii* (Rydberg) Macbride = Psoralidium tenuiflorum (Pursh) Rydberg
tenuiflora Pursh var. *tenuiflora* = Psoralidium tenuiflorum (Pursh) Rydberg
trinervata (Rydberg) Standley = Pediomelum pentaphyllum (Linnaeus) Grimes

Psoralidium scurf-pea
Grimes, J.W. 1990. A revision of the New World species of Psoraleae (Leguminosae: Papilionoideae). Mem. N.Y. Bot. Gard. 61:1-113.
argophyllum (Pursh) Rydberg = Pediomelum argophyllum (Pursh) Grimes
bigelovii Rydberg = Psoralidium tenuiflorum (Pursh) Rydberg
digitatum (Nuttall) Rydberg = Pediomelum digitatum (Nuttall ex Torrey & Gray) Grimes
lanceolatum (Pursh) Rydberg [M&H; W&S]
wild scurf-pea
Psoralea lanceolata Pursh
Psoralea micrantha Torrey
Psoralidium micranthum (Gray) Rydberg
linearifolium (Torrey & Gray) Rydberg = Pediomelum linearifolium (Torrey & Gray) Grimes

micranthum (Gray) Rydberg = Psoralidium lanceolatum (Pursh) Rydberg

tenuiflorum (Pursh) Rydberg [M&H; W&S]

slender scurf-pea

Psoralidium bigelovii Rydberg

Psoralea tenuiflora Pursh var. *bigelovii* (Rydberg) Macbride

Psoralea tenuiflora Pursh var. *tenuiflora*

Psorothamnus dalea

Barneby, R.C. 1977. Daleae Imagines. Mem. New York Bot. Gard. 27:1-892.

scoparius (Gray) Rydberg [M&H; W&S]

broom dalea, broom smokebush

Dalea scoparia Gray

Dalea scoparia Gray var. *subrosea* Cockerell

Parosela scoparia (Gray) Heller

Rhynchosia snout-bean

Grear, J.W. 1978. A revision of the New World species of *Rhynchosia* (Leguminosae- Faboideae). Mem. N.Y. Bot. Gard. 31(1):1-168.

Johnston, M.C. 1984. *Rhynchosia senna* var. *texana*, new combination made necessary by the Demoulin Rule. Phytologia 54:474.

senna Gillies ex Hooker var. *angustifolia* (Gray) Grear = Rhynchosia senna Gillies ex Hooker var. texana (Torrey & Gray) M.C. Johnston

senna Gillies ex Hooker var. ***texana*** (Torrey & Gray) M.C. Johnston [M&H; W&S]

Texas snout-bean

Dolicholus texanus (Torrey & Gray) Vail

Rhynchosia senna Gillies ex Hooker var. *angustifolia* (Gray) Grear

Rhynchosia texana Torrey & Gray

texana Torrey & Gray = Rhynchosia senna Gillies ex Hooker var. texana (Torrey & Gray) M.C. Johnston

Robinia locust

Isely, D. & F.J. Peabody. 1984. *Robinia* (Leguminosae: Papilionoideae). Castanea 49:187-202.

Great Plains Flora Association. 1977. Atlas of the Flora of the Great Plains. Iowa State Univ. Press. 600 pp. [*Robinia hispida*]

****hispida*** Linnaeus [Great Plains Flora Association 1977]

bristly locust

luxurians (Dieck) Rydberg = Robinia neomexicana Gray var. neomexicana

neomexicana Gray var. ***neomexicana*** [M&H; W&S]

New Mexico locust

Robinia luxurians (Dieck) Rydberg

Robinia subvelutina Rydberg

neomexicana Gray var. ***rusbyi*** (Wooton & Standley) Martin & Hutchins ex Peabody [M&H; W&S]

Rusby's locust

Robinia rusbyi Wooton & Standley

pseudo-acacia Linnaeus [M&H]

black locust

rusbyi Wooton & Standley = Robinia neomexicana Gray var. rusbyi (Wooton & Standley) Martin & Hutchins ex Peabody

subvelutina Rydberg = Robinia neomexicana Gray var. neomexicana

Rydbergiella pattersonii (Gray) Fedde & Sydow = Astragalus pattersonii Gray in Brandegee

Schrammia caudata (A. Gray) Britton & Rose = Hoffmannseggia caudata A. Gray

Schrankia occidentalis (Wooton & Standley) Standley = Mimosa quadrivalvis Linnaeus var. occidentalis (Wooton & Standley) Barneby

uncinata Willdenow = Mimosa quadrivalvis Linnaeus var. angustata (Torrey & Gray) Barneby

Securigera varia (Linnaeus) Lassen = Coronilla varia Linnaeus

Senna senna

Irwin, H.S. & R.C. Barneby. 1982. The American Cassinae, a synoptical revision of Leguminosae tribe Cassieae subtribe Cassinae in the New World. Mem. New York Bot. Gard. 35:1-918.

Simpson, B.B. & B. Miao. 1997. The circumscription of *Hoffmannseggia* (Fabaceae, Caesalpinioideae, Caesalpinieae) and it allies using morphological and cpDNA restriction site data. Pl. Syst. Evol. 205:157-178.

bauhinioides (Gray) Irwin & Barneby [M&H; W&S]

two-leaf senna

Cassia bauhinioides Gray

Cassia bauhinioides Gray var. *arizonica* Robinson

Earleocassia bauhinioides (Gray) Britton & Rose

covesii (Gray) Irwin & Barneby [M&H; W&S]

hairy senna

Cassia covesii Gray

Earleocassia covesii (Gray) Britton & Rose

hirsuta (Linnaeus) Irwin & Barneby var. ***glaberrima*** (M.E. Jones) Irwin & Barneby [M&H; W&S]

wooly senna

Cassia leptocarpa Bentham var. *glaberrima* M. E. Jones

lindheimeriana (Scheele) Irwin & Barneby [M&H; W&S]

Lindheimer senna

Cassia lindheimeriana Scheele

Earleocassia lindheimeriana (Scheele) Britton

orcuttii (Britton & Rose) Irwin & Barneby

Orcutt's senna

Cassia orcuttii (Britton & Rose) B.L. Turner

roemeriana (Scheele) Irwin & Barneby [M&H; W&S]

Roemer senna

Cassia roemeriana Scheele

Earleocassia roemeriana (Scheele) Britton

wislizeni (Gray) Irwin & Barneby [M&H; W&S]

Wislizenus's senna

Cassia wislizeni Gray

Sophora sophora

Northington, D.K. 1976. Evidence bearing on the origin of infraspecific disjunction in *Sophora gypsophila*. Plant Syst. Evol. 125:233-44.

Sivinski, R.C. 1991. Status report on *Sophora gypsophila* var. *guadalupensis*. For U.S. Fish and Wildlife Service, New Mexico Ecological Services Field Office, Albuquerque.

Turner, B.L. & A.M. Powell. 1972. A new gypsophilic *Sophora* from north- central Mexico and adjacent Texas. Phytologia 22:419-23.

gypsophila Turner & Powell var. ***guadalupensis*** Turner & Powell [Sivinski 1991]

Guadalupe Mountain sophora

nuttalliana B.L. Turner [M&H; W&S]

silky sophora

Sophora sericea Nuttall

secundiflora (Ortega) Lagasca ex A.P. de Candolle [M&H; W&S]

mescal bean

Broussonetia secundiflora Ortega

sericea Nuttall = Sophora nuttalliana B.L. Turner

stenophylla Gray [M&H; W&S]

silvery sophora

Sphaerophysa bladder-vetch

Barneby, R.C. 1964. *Sphaerophysa*. Mem. New York Bot. Gard. 13:1162-1164.

Hershey, A.L. & P.J. Leyendecker, Jr. 1944. Notes on plants of New Mexico—III. Leaflets of Western Botany 4(2):21-25. [*Sphaerophysa salsula*]

****salsula*** (Pallas) A.P. de Candolle [Hershey & Leyendecker 1944; M&H]

red bladder-vetch

Phaca salsula Pallas

Swainsona salsula (Pallas) Taubert

Spiesia nothoxys (Gray) M.E. Jones = Astragalus nothoxys Gray

Strombocarpa pubescens (Bentham) Gray = Prosopis pubescens Bentham

Strophostyles fuzzy-bean

Riley-Hulting, E.T., A. Delgado-Salinas, & M. Lavin. 2004. Phylogenetic systematics of *Strophostyles* (Fabaceae): A North American temperate genus within a neotropical diversification. Syst. Bot. 29(3):627-653.

****helvola*** (Linnaeus) Elliott [Riley-Hulting et al. 2004]

trailing fuzzy-bean

leiosperma (Torrey & Gray) Piper [M&H; Riley-Hulting et al. 2004; W&S]

slick fuzzy-bean

Phaseolus leiospermus Torrey & Gray

Phaseolus pauciflora Bentham

Strophostyles pauciflora (Bentham) S. Watson

pauciflora (Bentham) S. Watson = Strophostyles leiosperma (Torry & Gray) Piper

Swainsona salsula (Pallas) Taubert = Sphaerophysa salsula (Pallas) A.P. de Candolle

Tephrosia hoary-pea

Todsen, T.K. 1984. Noteworthy collections (New Mexico). Madroño 31:125. [*Tephrosia tenella*]

tenella Gray [Todsen 1984]

red hoary-pea

Thermopsis golden-pea

Chen, C.J., M.G. Mendenhall, & B.L. Turner. 1994. Taxonomy of *Thermopsis* (Fabaceae) in North America. Ann. Missouri Bot. Gard. 81:714-742.

arenosa A. Nelson = Thermopsis rhombifolia (Nuttall ex Pursh) Nuttall ex Richardson

divaricarpa A. Nelson = Thermopsis rhombifolia (Nuttall ex Pursh) Richardson var. divaricarpa (A. Nelson) Isely

montana Nuttall = Thermopsis rhombifolia (Nuttall ex Pursh) Richardson var. montana (Nuttall) Isely

pinetorum Greene = Thermopsis divaricarpa A. Nelson

rhombifolia (Nuttall ex Pursh) Nuttall ex Richardson [Chen et al. 1994; M&H]

golden-pea

Thermopsis arenosa A. Nelson

rhombifolia (Nuttall ex Pursh) Nuttall ex Richardson var. ***divaricarpa*** (A. Nelson) Isely [Chen et al. 1994; M&H; W&S]

golden-pea

Thermopsis divaricarpa A. Nelson

Thermopsis pinetorum Greene

rhombifolia (Nuttall ex Pursh) Nuttall ex Richardson var. ***montana*** (Nuttall) Isely [Chen et al. 1994; M&H; W&S]

golden-pea

Thermopsis montana Nuttall

Tium drummondii (Douglas ex Hooker) Rydberg = Astragalus drummondii Douglas ex Hooker

egglestonii Rydberg = Astragalus egglestonii (Rydberg) Kearney & Peebles

humistratum (Gray) Rydberg = Astragalus humistratus Gray var. humistratus
racemosum (Pursh) Rydberg = Astragalus racemosus Pursh var. racemosus
scopulorum (Porter) Rydberg = Astragalus scopulorum T.C. Porter
stenolobum Rydberg = Astragalus scopulorum T.C. Porter
Tragacantha bisulcata (Hooker) Kuntze = Astragalus bisulcatus (Hooker) Gray var. bisulcatus
brandegeei (Porter) Kuntze = Astragalus brandegeei Porter
cobrensis (Gray) Kuntze = Astragalus cobrensis Gray var. cobrensis
cyanea (Gray) Kuntze = Astragalus cyaneus Gray
diphysa (Gray) Kuntze = Astragalus lentiginosus Douglas ex Hooker var. albiflorus
flaviflora Kuntze = Astragalus flavus Nuttall
hallii (Gray) Kuntze = Astragalus hallii Gray var. hallii
heydeniana (Gray) Kuntze = Astragalus bisulcatus (Hooker) Gray var. bisulcatus
humistrata (Gray) Kuntze = Astragalus humistratus Gray var. humistratus
lotiflora (Hooker) Kuntze = Astragalus lotiflorus Hooker
missouriensis (Nuttall) Kuntze = Astragalus missouriensis Nuttall var. missouriensis
nothoxys (Gray) Kuntze = Astragalus nothoxys Gray
shortiana (Nuttall) Kuntze = Astragalus shortianus Nuttall
sonorae (Gray) Kuntze = Astragalus humistratus Gray var. sonorae (Gray) M.E. Jones
tephrodes (Gray) Kuntze = Astragalus tephrodes Gray var. tephrodes
thurberi (Gray) Kuntze = Astragalus thurberi Gray
vaccarum (Gray) Kuntze = Astragalus vaccarum Gray

Trifolium clover

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Trifolium campestre*]
Hall, H.H. & S. Flowers. 1961. Vascular plants found in the Navajo Reservoir Basin, pp. 47-87. IN: D.M. Pendergast (ed.). Ecological studies of the flora and fauna of Navajo Reservoir Basin, Colorado and New Mexico. Univ. Utah Anthropological Papers, number 55.
Isely, D. 1980. New combinations and one new variety in *Trifolium* (Leguminosae). Brittonia 32:55-57.
Zohary, M. & D. Heller. 1984. The Genus Trifolium. The Israel Acadamy of Sciences and Humanities, Jerusalem. 606 pp.

albopurpureum Torrey & A. Gray : Reported by Hall & Flowers (1961), but known only from the Pacific Coast region; awaits verification.
andinum Nuttall : Reported by Isely's map (1998) but not his text; upon comparison to other references, the map seems to be in error.
arizonicum Greene = Trifolium wormskjoldii Lehmann
attenuatum Greene [W&S; Zohary & Heller 1984]
Rocky Mountain clover
Trifolium stenolobum Rydberg
brandegeeii S. Watson [M&H]
Brandegee's clover
****campestre*** Schreber [Allred 1999]
lesser hop clover
Trifolium procumbens Linnaeus
dasyphyllum Torrey & Gray var. ***uintense*** (Rydberg) Welsh [Isely 1998; M&H].
Uinta clover
fendleri Greene = Trifolium wormskjoldii Lehmann
****fragiferum*** Linnaeus [M&H]
strawberry clover
gracilentum Torrey & Gray [Isely 1998] Note: Isely's map does not show NM, but he reports a specimen from Lincoln Co.
pin-point clover
gymnocarpon Nuttall [Isely 1998; M&H; W&S]
holly-leaf clover
Trifolium gymnocarpon Nuttall var. *subacaulescens* (Gray) A. Nelson
Trifolium subcaulescens Gray
gymnocarpon Nuttall var. *subacaulescens* (Gray) A. Nelson = Trifolium gymnocarpon Nuttall
****hybridum*** Linnaeus [M&H; W&S]
alsike clover
lacerum Greene = Trifolium wormskjoldii Lehmann
longicaule Wooton & Standley = Trifolium wormskjoldii Lehmann
longipes Nuttall var. longipes : Not known from NM (Isely 1998; Zohary & Heller 1984).
longipes Nuttall var. ***neurophyllum*** (Greene) Martin ex Isely [M&H; W&S]
long-stalk clover
Trifolium neurophyllum Greene
Trifolium rusbyi Greene subsp. *neurophyllum* (Greene) Heller & Zohary
longipes Nuttall var. ***reflexum*** A. Nelson [W&S]
long-stalk clover
Trifolium rusbyi Greene subsp. *reflexum* (A. Nelson) Heller & Zohary
Trifolium rydbergii Greene
longipes Nuttall var. ***rusbyi*** (Greene) Harrington [Isely 1998]
long-stalk clover
melilotus-indica Linnaeus = Melilotus indicus (Linnaeus) Allioni
melilotus-officinalis Linnaeus = Melilotus officinalis (Linnaeus) Pallas
mucronatum Willdenow ex Sprengel subsp. *lacerum* (Greene) J.M. Gillett = Trifolium wormskjoldii Lehmann

nanum Torrey [M&H; W&S]
tundra clover
neurophyllum Greene = Trifolium rusbyi Greene subsp. neurophyllum (Greene) Heller & Zohary
parryi Gray [M&H; W&S]
Parry's clover
pinetorum Greene = Trifolium wormskjoldii Lehmann
****pratense*** Linnaeus [M&H; W&S]
red clover
procumbens Linnaeus = Trifolium campestre Schreber
****repens*** Linnaeus [M&H; W&S]
white clover
rusbyi Greene subsp. *neurophyllum* (Greene) Heller & Zohary = Trifolium longipes Nuttall var. neurophyllum (Greene) Martin ex. Isely
rusbyi Greene subsp. *reflexum* (A. Nelson) Heller & Zohary = Trifolium longipes Nuttall var. reflexum A. Nelson
rydbergii Greene = Trifolium longipes Nuttall var. reflexum A. Nelson
stenolobum Rydberg = Trifolium attenuatum Greene
subcaulescens Gray = Trifolium gymnocarpon Nuttall
willdenovii Sprengel = Trifolium wormskjoldii Lehmann
wormskjoldii Lehmann [M&H; W&S]
cusp clover
Trifolium arizonicum Greene
Trifolium fendleri Greene
Trifolium lacerum Greene
Trifolium longicaule Wooton & Standley
Trifolium mucronatum Willdenow ex Sprengel subsp. *lacerum* (Greene) J.M. Gillett
Trifolium willdenovii Sprengel
Trifolium wormskjoldii Lehmann var. *longicaule* (Wooton & Standley) L. Benson
wormskjoldii Lehmann var. *longicaule* (Wooton & Standley) L. Benson = Trifolium wormskjoldii Lehmann
Viborquia orthocarpa (Gray) Cockerell = Eysenhardtia polystachya (Ortega) Sargent

Vicia vetch

Allred, K.W. & S. Johnson. 2003. A taxonomic review of the tendril-bearing legumes (Leguminosae) in New Mexico: II. *Vicia*. The New Mexico Botanist 26:1-5.
Great Plains Flora Association. 1977. Atlas of the Flora of the Great Plains. Iowa State Univ. Press. 600 pp. [*Vicia dasycarpa*]
Gunn, C.R. 1968. The *Vicia americana* complex (Leguminosae). Iowa State J. Sci. 42:171-214.
Lassetter, J.S. 1984. Taxonomy of the *Vicia ludoviciana* complex (Leguminosae). Rhodora 86:475-505.
Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Vicia villosa*]

americana Muhlenberg ex Willdenow [Allred & Johnson 2003; M&H; W&S]
American vetch
Vicia americana Muhlenberg ex Willdenow var. *linearis* (Nuttall) S. Watson
Vicia americana Muhlenberg ex Willdenow var. *minor* Hooker
Vicia americana Muhlenberg ex Willdenow subsp. *oregana* (Nuttall) Abrams
Vicia americana Muhlenberg ex Willdenow var. *truncata* (Nuttall) Brewer
Vicia caespitosa A. Nelson
Vicia dissitifolia (Nuttall) Rydberg
Vicia linearis Nuttall
Vicia linearis Nuttall var. *caespitosa* (A. Nelson) A. Nelson
Vicia oregana Nuttall
Vicia sparsifolia Nuttall
americana Muhlenberg ex Willdenow var. *linearis* (Nuttall) S. Watson = Vicia americana Muhlenberg ex Willdenow
americana Muhlenberg ex Willdenow var. *minor* Hooker = Vicia americana Muhlenberg ex Willdenow
americana Muhlenberg ex Willdenow subsp. *oregana* (Nuttall) Abrams = Vicia americana Muhlenberg ex Willdenow
americana Muhlenberg ex Willdenow var. *truncata* (Nuttall) Brewer = Vicia americana Muhlenberg ex Willdenow
angustifolia Linnaeus = Vicia sativa Linnaeus subsp nigra (Linnaeus) Ehrhart
caespitosa A. Nelson = Vicia americana Muhlenberg ex Willdenow
dasycarpa Tenore = Vicia villosa Roth subsp. varia (Host) F.M.L. Corbière
dissitifolia (Nuttall) Rydberg = Vicia americana Muhlenberg ex Willdenow
exigua Nuttall = Vicia ludoviciana Nuttall
leavenworthii Torrey & Gray [=Vicia ludoviciana Nuttall ex Torrey & Gray subsp. leavenworthii (Torrey & Gray) Lassetter & Gunn] : Reported by M&H and W&S, but Lassetter (1984) reports this taxon far to the east; awaits further verification.
leucophaea Greene [Allred & Johnson 2003; M&H; W&S]
Mogollon vetch
linearis Nuttall = Vicia americana Muhlenberg ex Willdenow
linearis Nuttall var. *caespitosa* (A. Nelson) A. Nelson = Vicia americana Muhlenberg ex Willdenow
ludoviciana Nuttall ex Torrey & Gray subsp. leavenworthii (Torrey & Gray) Lassetter & Gunn : Reported by M&H and W&S, but Lassetter (1984) reports this taxon far to the east; needs verification.
ludoviciana Nuttall ex Torrey & Gray subsp. ***ludoviciana*** [Allred & Johnson 2003; Lassetter 1984; M&H; W&S]
slim vetch
Vicia exigua Nuttall
melilotoides Wooton & Standley = Vicia pulchella Humboldt, Bonpland, & Kunth
oregana Nuttall = Vicia americana Muhlenberg ex Willdenow

pulchella Humboldt, Bonpland, & Kunth [Allred & Johnson 2003; M&H; W&S]
sweet vetch
Vicia melilotoides Wooton & Standley
sativa Linnaeus var. ***angustifolia*** Linnaeus [M&H; W&S]
garden vetch
Vicia angustifolia Linnaeus
Vicia sativa Linnaeus subsp. *nigra* (Linnaeus) Ehrhart
sativa Linnaeus subsp. *nigra* (Linnaeus) Ehrhart = Vicia sativa Linnaeus var. angustifolia Linnaeus
sparsifolia Nuttall = Vicia americana Muhlenberg ex Willdenow
villosa Roth var. *glabrescens* W.D.J. Koch = Vicia villosa Roth subsp. varia (Host) F.M.L. Corbière
villosa Roth subsp. ***varia*** (Host) F.M.L. Corbière [Great Plains Flora Association 1977]
winter vetch
Vicia dasycarpa Tenore
Vicia villosa Roth var. *glabrescens* W.D.J. Koch
villosa Roth subsp. ***villosa*** [Allred & Johnson 2003; Spellenberg et al. 1986]
wooly vetch
Xylophacos amphioxys (Gray) Rydberg = Astragalus amphioxys Gray var. amphioxys
brachylobus (Gray) Rydberg = Astragalus tephrodes Gray var. brachylobus (Gray) Barneby
cyaneus (Gray) Rydberg = Astragalus cyaneus Gray
iodopetalus Rydberg = Astragalus iodopetalus (Rydberg) Barneby
missouriensis (Nuttall) Rydberg = Astragalus missouriensis Nuttall var. missouriensis
newberryi (Gray) Rydberg = Astragalus newberryi Gray
puniceus (Osterhout) Rydberg = Astragalus puniceus Osterhout var. puniceus
shortianus (Nuttall) Rydberg = Astragalus shortianus Nuttall
tephrodes (Gray) Rydberg = Astragalus tephrodes Gray var. tephrodes
vespertinus (Sheldon) Rydberg = Astragalus amphioxys Gray var. vespertinus (Sheldon) M.E. Jones

Family FAGACEAE

Quercus oak
Hershey, A.L. & P.J. Leyendecker, Jr. 1944. Notes on plants of New Mexico -- III. Leafl. West. Bot. 4(2):21-25. [*Quercus toumeyi*]
Nixon, K.C. 1997. *Quercus*, pp. 445-506. IN: Flora of North America, vol. 3. Oxford University Press.
Spellenberg, R., M. Mahrt & R. Brozka. 1991. Noteworthy collections, New Mexico. Madroño 38:298-301. [*Quercus chrysolepis*, *Q. palmeri*]
Tucker, J.M. 1961. Studies in the *Quercus undulata* complex. I. A preliminary statement. Amer. J. Bot. 48:202-208.
Tucker, J.M. 1961. Studies in the *Quercus undulata* complex. II. The contribution of *Quercus turbinella*. Amer. J. Bot. 48:329-339.
Tucker, J.M. & J. Maze. 1966. Bur oak (*Quercus macrocarpa*) in New Mexico. Southwestern Naturalist 11:402-405. [*Quercus macrocarpa*]
Tucker, J.M. 1970. Studies in the *Quercus undulata* complex. IV. The contribution of *Quercus havardii*. Amer. J. Bot. 57:71-84.
arizonica Sargent [Nixon 1997; M&H; W&S]
Arizona oak
chrysolepis Leibman [Nixon 1997; Spellenberg et al. 1991; W&S]
canyon live oak
Quercus wilcoxii Rydberg
confusa Wooton & Standley = Quercus undulata Torrey pro sp.
diversicolor Trelease = Quercus rugosa Née
emoryi Torrey [Nixon 1997; M&H; W&S]
Emory's oak
fendleri Leibman = Quercus undulata Torrey pro sp.
gambelii Nuttall [Nixon 1997; M&H; W&S]
Gambel's oak
Quercus gunnisonii (Torrey & Gray) Rydberg
Quercus leptophylla Rydberg
Quercus novomexicana (A. A.P. de Candolle) Rydberg
Quercus submollis Rydberg
Quercus utahensis (A. A.P. de Candolle) Rydberg
Quercus vreelandii Rydberg
grisea Leibman [Nixon 1997; M&H; W&S]
gray oak
gunnisonii (Torrey & Gray) Rydberg = Quercus gambelii Nuttall
havardii Rydberg [Nixon 1997; M&H; W&S]
Havard's oak
hypoleuca Engelmann = Quercus hypoleucoides A. Camus
hypoleucoides A. Camus [Nixon 1997; M&H; W&S]
silver-leaf oak
Quercus hypoleuca Engelmann
leptophylla Rydberg = Quercus gambelii Nuttall
×macrocarpa Michaux : Plants of presumably hybrid origin between *Q. gambelii* × *Q. macrocarpa* were reported from Union Co. by Tucker & Maze (1966); some of these plants (though not populations) may be referred to *Q. macrocarpa*.
media Wooton & Standley = Quercus undulata Torrey pro sp.

mohriana Buckley ex Rydberg [Nixon 1997; M&H]
Mohr oak
muhlenbergii Engelmann [Nixon 1997; M&H; W&S]
chinkapin oak
novomexicana (A. A.P. de Candolle) Rydberg = Quercus gambelii Nuttall
oblongifolia Torrey [Nixon 1997; M&H; W&S]
Mexican blue oak
palmeri Engelmann [Spellenberg et al. 1991] Note: NM plants identified as Quercus palmeri are intermediate between this and Quercus chrysolepis, likely the result of introgression (Nixon 1997); the correct classification is problematic.
Palmer's oak
pungens Leibman [Nixon 1997; M&H; W&S]
sandpaper oak
reticulata Humboldt & Bonpland = Quercus rugosa Nee
rugosa Née [Nixon 1997; M&H; W&S]
net-leaf oak
Quercus diversicolor Trelease
Quercus reticulata Humboldt & Bonpland
rydbergiana Cockerell = Quercus undulata Torrey pro sp.
submollis Rydberg = Quercus gambelii Nuttall
toumeyi Sargent [Nixon 1997; Hershey & Leyendecker 1944; M&H]
Toumey's oak
turbinella Greene [Nixon 1997; M&H; W&S]
desert scrub oak
×***undulata*** Torrey, pro. sp. [M&H; W&S] Note: This is a catch-all name for hybrids involving Quercus gambelii Nuttall
wavy-leaf oak
Quercus confusa Wooton & Standley
Quercus fendleri Leibman
Quercus media Wooton & Standley
Quercus rydbergiana Cockerell
Quercus venustula Greene
utahensis (A. A.P. de Candolle) Rydberg = Quercus gambelii Nuttall
venustula Greene = Quercus undulata Torrey pro sp.
vreelandii Rydberg = Quercus gambelii Nuttall
wilcoxii Rydberg = Quercus chrysolepis Leibman

Family FOUQUIERIACEAE

Henrickson, J. 1972. A taxonomic revision of Fouquieriaceae. Aliso 7:439-537.

Fouquieria coach-whip
splendens Engelmann [M&H; W&S]
ocotillo

Family FRANKENIACEAE

Frankenia frankenia
jamesii Torrey ex Gray [M&H; W&S]
James's frankenia

Family FUMARIACEAE

Capnoides aureum (Willdenow) Kuntze = Corydalis aurea Willdenow subsp. aurea
brandegeei (S. Watson) Heller = Corydalis caseana Gray subsp. brandegeei (S. Watson) G. Ownbey
euchlamydeum Wooton & Standley = Corydalis aurea Willdenow subsp. aurea
montanum (Engelmann) Britton = Corydalis aurea Willdenow subsp. occidentalis (Engelmann) G. Ownbey

Corydalis golden-smoke
Stern, K.R. 1997. *Corydalis*, pp. 348-355. IN: Flora of North America, vol. 3. Oxford University Press.
Ownbey, G.B. 1947. Monograph of the North American species of *Corydalis*. Ann. Miss. Bot. Gard. 34:187-260.
aurea Willdenow subsp. ***aurea*** [Stern 1997; M&H; W&S]
golden-smoke, scrambled-eggs
Capnoides aureum (Willdenow) Kuntze
Capnoides euchlamydeum Wooton & Standley
aurea Willdenow subsp. ***occidentalis*** (Engelmann ex Gray) G. Ownbey [Stern 1997; M&H; W&S]
golden-smoke, scrambled-eggs
Capnoides montanum (Engelmann) Britton
Corydalis aurea Willdenow var. *occidentalis* Engelmann
Corydalis curvisiliqua Engelmann subsp. *occidentalis* (Engelmann ex Gray) W.A. Weber
Corydalis montana Engelmann
brandegeei S. Watson = Corydalis caseana Gray subsp. brandegeei (S. Watson) G. Ownbey
caseana Gray subsp. ***brandegeei*** (S. Watson) G. Ownbey [Stern 1997; M&H; W&S]

Sierra golden-smoke
Capnoides brandegeei (S. Watson) Heller
Corydalis brandegeei S. Watson
curvisiliqua Engelmann subsp. *occidentalis* (Engelmann ex Gray) W.A. Weber = Corydalis aurea Willdenow subsp. occidentalis (Engelmann ex Gray) G. Ownbey
montana Engelmann = Corydalis aurea Willdenow subsp. occidentalis (Engelmann ex Gray) G. Ownbey

Family GARRYACEAE

Garrya silktassel
Dahling, G.V. 1978. Systematics and evolution of *Garrya*. Contr. Gray Herb. No. 209.
flavescens sensu NM authors = Garrya ovata Bentham subsp. goldmanii (Wooton & Standley) Dahling
goldmanii Wooton & Standley = Garrya ovata Bentham ssp. goldmanii (Wooton & Standley) Dahling
ovata Bentham subsp. ***goldmanii*** (Wooton & Standley) Dahling [M&H; W&S]
Goldman's silktassel
Garrya goldmanii Wooton & Standley
wrightii Torrey [M&H; W&S]
Wright's silktassel

Family GENTIANACEAE

Amarella heterosepala (Engelmann) Greene = Gentianella amarella (Linnaeus) Boerner subsp. heterosepala (Engelmann) Gillett
plebeia (Chamisso) Greene = Gentianella amarella (Linnaeus) Boerner subsp. acuta (Michaux) Gillett
scopulorum Greene = Gentianella amarella (Linnaeus) Boerner subsp. heterosepala (Engelmann) Gillett
strictiflora (Rydberg) Greene = Gentianella amarella (Linnaeus) Boerner subsp. acuta (Michaux) Gillett
Anthopogon barbellatus (Engelmann) Rydberg = Gentianopsis barbellata (Engelmann) Iltis
elegans (A. Nelson) Rydberg = Gentianopsis thermalis (Kuntze) Iltis
thermalis (Kuntze) Rydberg = Gentianopsis thermalis (Kuntze) Iltis
Centaurium arizonicum (Gray) Heller = Zeltnera arizonica (Gray) Mansion
calycosum (Buckley) Fernald = Zeltnera calycosa (Buckley) Mansion
exaltatum (Grisebach ex Hooker) W.F. Wight ex Piper = Zeltnera exaltata (Grisebach ex Hooker) Mansion
maryannum B.L. Turner = Zeltnera maryanna (B.L. Turner) Mansion
nudicaule (Engelmann) B.L. Robinson = Zeltnera nudicaulis (Engelmann) Mansion
texense (Grisebach) Fernald [=Zeltnera texensis (Grisebach ex Hooker) Mansion] : Reported by M&H & W&S, but this is a species of central Texas; NM plants seem to fit Zeltnera arizonica or Zeltnera calycosa
Chondrophylla fremontii (Torrey) A. Nelson = Gentiana prostrata Haenke ex Jacquin
Dasystephana affinis (Grisebach) Rydberg = Gentiana affinis Grisebach
bigelovii (Gray) Rydberg = Gentiana affinis Grisebach
interrupta (Greene) Rydberg = Gentiana affinis Grisebach
parryi (Engelmann) Rydberg = Gentiana parryi Engelmann
romanzovii (Ledebour) Rydberg = Gentiana algida Pallas
rusbyi (Greene) Wooton & Standley = Gentiana rusbyi Greene
Erythaea calycosa Buckley = Zeltnera calycosa (Buckley) Mansion
Eustoma prairie gentian
Shinners, L.H. 1957. Synopsis of the genus *Eustoma* (Gentianaceae). Southwestern Naturalist 2:38-43.
exaltatum (Linnaeus) Salisbury ex G. Don [M&H]
prairie gentian
Eustoma silenifolium Salisbury
grandiflorum (Rafinesque) Shinners = Eustoma russellianum (Hooker) G. Don ex Sweet
russellianum (Hooker) G. Don in Sweet [M&H; W&S]
Russell's prairie gentian
Eustoma grandiflorum (Rafinesque) Shinners
Lisanthus russellianus Hooker
silenifolium Salisbury = Eustoma exaltatum (Linnaeus) Salisbury ex G. Dong
Frasera elkweed
Chassot, P., S. Nemomissa, Y.-M. Yuan, & P. Kupfer. 2001. High paraphyly of *Swertia* L. (Gentianaceae) in the Gentianella-lineage as revealed by nuclear and chloroplast DNA sequence variation. Plant Syst. Evol. 229:1-21.
Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*F. albomarginata*]
Holmgren, N. 1984. Gentianaceae, pp. 4-23. IN: Intermountain Flora, vol. 4. New York Botanical Garden.
St. John, H. 1941. Revision of the genus *Swertia* (Gentianaceae) of the Americas and the reduction of *Frasera*. Amer. Midl. Natural. 26:1-29.
albomarginata S. Watson [Heil et al. 2002]
desert elkweed
paniculata Torrey [M&H; W&S]
tufted elkweed
Swertia utahensis (M.E. Jones) St. John
speciosa Douglas ex Grisebach [M&H; W&S]
monument plant, showy elkweed
Frasera speciosa Douglas ex Grisebach var. *scabra* M.E. Jones
Frasera stenosepala Rydberg

Frasera venosa Greene
Swertia radiata (Kellogg) Kuntze
Swertia radiata (Kellogg) Kuntze var. *macrophylla* (Greene) St. John
speciosa Douglas ex Grisebach var. *scabra* M.E. Jones = Frasera speciosa Douglas ex Grisebach
stenosepala Rydberg = Frasera speciosa Douglas ex Grisebach
venosa Greene = Frasera speciosa Douglas ex Grisebach

Gentiana gentian

Gillett, J.M. 1957. A revision of the North American species of *Gentianella* Moench. Ann. Missouri Bot. Gard. 44:195-269.
Iltis, H.H. 1965. The genus *Gentianopsis* (Gentianaceae): transfers and phytogeographic comments. Sida 2:129-154.

affinis Grisebach [M&H; W&S]
Rocky Mountain gentian
Dasystephana affinis (Grisebach) Rydberg
Dasystephana bigelovii (Gray) Rydberg
Dasystephana interrupta (Greene) Rydberg
Dasystephana rusbyi (Greene) Wooton & Standley
Gentiana interrupta Greene
Gentiana rusbyi Greene

algida Pallas [M&H; W&S]
arctic gentian
Dasystephana romanzovii (Ledebour) Rydberg
Gentiana romanzovii Ledebour

barbellata Engelmann = Gentianopsis barbellata (Engelmann) Iltis
bigelovii Gray = Gentiana affinis Grisebach
elegans A. Nelson = Gentianopsis thermalis (Kuntze) Iltis
fremontii Torrey = Gentiana prostrata Haenke ex Jacquin
heterosepala Engelmann = Gentianella amarella (Linnaeus) Boerner subsp. heterosepala (Engelmann) Gillett
interrupta Greene = Gentiana affinis Grisebach

parryi Engelmann [M&H; W&S]
Parry's gentian
Dasystephana parryi (Engelmann) Rydberg

plebeia Chamisso = Gentianella amarella (Linnaeus) Boerner subsp. acuta (Michaux) Gillett

prostrata Haenke ex Jacquin [M&H; W&S]
moss gentian
Chondrophylla fremontii (Torrey) A. Nelson
Gentiana fremontii Torrey

romanzovii Ledebour = Gentiana algida Pallas
rusbyi Greene = Gentiana affinis Grisebach
scopulorum (Greene) Tidestrom = Gentianella amarella (Linnaeus) Boerner subsp. heterosepala (Engelmann) Gillett
strictiflora (Rydberg) A. Nelson = Gentianella amarella (Linnaeus) Boerner subsp. acuta (Michaux) Gillett
tenella Rottboell = Gentianella tenella (Rottboell) Boerner subsp. tenella
thermalis Kuntze = Gentianopsis thermalis (Kuntze) Iltis
wislizeni Engelmann (=Gentianella wislizeni (Engelmann) Gillett) : Reported as expected by M&H; awaits verification.
wrightii Gray = Gentianella amarella (Linnaeus) Boerner subsp. wrightii (Gray) Gillett

Gentianella dwarf-gentian

Gillett, J.M. 1957. A revision of the North American species of *Gentianella* Moench. Ann. Missouri Bot. Gard. 44:195-269.

amarella (Linnaeus) Boerner subsp. ***acuta*** (Michaux) Gillett [Gillett 1957; M&H; W&S]
dwarf-gentian
Amarella plebeia (Chamisso) Greene
Amarella strictiflora (Rydberg) Greene
Gentiana plebeia Chamisso
Gentiana strictiflora (Rydberg) A. Nelson

amarella (Linnaeus) Boerner subsp. ***heterosepala*** (Engelmann) Gillett [Gillett 1957; M&H; W&S]
dwarf-gentian
Amarella heterosepala (Engelmann) Greene
Amarella scopulorum Greene
Gentiana heterosepala Engelmann
Gentiana scopulorum (Greene) Tidestrom

amarella (Linnaeus) Boerner subsp. ***wrightii*** (Gray) Gillett [Gillett 1957]
Wright's dwarf-gentian
Gentiana wrightii Gray

tenella (Rottboell) Boerner subsp. ***tenella*** [Gillett 1957; M&H]
slender dwarf-gentian
Gentiana tenella Rottboell

Gentianopsis fringed-gentian

Iltis, H.H. 1965. The genus *Gentianopsis* (Gentianaceae): transfers and phytogeographic comments. Sida 2:129-154.

barbellata (Engelmann) Iltis [Iltis 1965; M&H; W&S]
fringed-gentian
Anthopogon barbellatus (Engelmann) Rydberg

Gentiana barbellata Engelmann

thermalis (Kuntze) Iltis [Iltis 1965; M&H; W&S]

Rocky Mountain gentian

Anthopogon elegans (A. Nelson) Rydberg

Anthopogon thermalis (Kuntze) Rydberg

Gentiana elegans A. Nelson

Gentiana thermalis Kuntze

Halenia spurred-gentian

recurva (J.E. Smith) Allen [M&H; W&S]

spurred-gentian

Halenia rothrockii Gray

rothrockii Gray = Halenia recurva (J.E. Smith) Allen

Lisanthus russellianus Hooker = Eustoma russellianum (Hooker) G. Don ex Sweet

Lomatogonium marsh-felwort

Fernald, M.L. 1919. *Lomatogonium* the correct name for *Pleurogyne*. Rhodora 21:193.

rotatum (Linnaeus) Fries ex Fernald [M&H; W&S]

marsh-felwort

Pleurogyne fontana A. Nelson

Pleurogyne rotata (L.) Grisebach

Pleurogyne fontana A. Nelson = Lomatogonium rotatum (Linnaeus) Grisebach

rotata Grisebach = Lomatogonium rotatum (Linnaeus) Grisebach

Sabatia rose-gentian

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Sabatia angularis*]

****angularis*** (Linnaeus) Pursh [Allred 1999]

rose-gentian

Swertia star gentian

Chassot, P., S. Nemomissa, Y.-M. Yuan, & P. Kupfer. 2001. High paraphyly of *Swertia* L. (Gentianaceae) in the Gentianella-lineage as revealed by nuclear and chloroplast DNA sequence variation. Plant Syst. Evol. 229:1-21.

St. John, H. 1941. Revision of the genus *Swertia* (Gentianaceae) of the Americas and the reduction of *Frasera*. Amer. Midl. Natural. 26:1-29.

albomarginata S. Watson = Frasera albomarginata S. Watson

palustris A. Nelson = Swertia perennis Linnaeus

perennis Linnaeus [M&H; W&S]

perennial star gentian

Swertia palustris A. Nelson

radiata (Kellogg) Kuntze var. *macrophylla* (Greene) St. John = Frasera speciosa Douglas ex Grisebach

radiata (Kellogg) Kuntze = Frasera speciosa Douglas ex Grisebach

utahensis (M.E. Jones) St. John = Frasera paniculata Torrey

Zeltnera centaury

Mansion, G. 2004. A new classification of the polyphyletic genus *Centaurium* Hill (Chironiinae, Gentianaceae): description of the New World endemic *Zeltnera*, and reinstatement of *Gyrandra* Griseb. and *Schenkia* Griseb. Taxon 53(3):719-740.

Turner, B.L. 1993. The Texas species of *Centaurium* (Gentianaceae). Phytologia 75:259-275.

arizonica (Gray) Mansion [Turner 1993]

Arizona centaury

Centaurium arizonicum (Gray) Heller

calycosa (Buckley) Mansion [M&H; W&S]

Buckley's centaury

Centaurium calycosum (Buckley) Fernald

Erythaea calycosa Buckley

exaltata (Grisebach) Mansion [M&H]

desert centaury

Centaurium exaltatum (Grisebach) W.F. Wight ex Piper

maryanna (B.L. Turner) Mansion [Turner 1993]

gyp centaury

Centaurium maryannum B.L. Turner

nudicaulis (Engelmann) Mansion [Turner 1993]

Santa Catalina centaury

Centaurium nudicaule (Engelmann) B.L. Robinson

texensis (Grisebach ex Hooker) Mansion : Reported by M&H & W&S (in Centaurium), but this is a species of central Texas; NM plants seem to fit Zeltnera arizonica or Zeltnera calycosa

Family GERANIACEAE

Robertson, K.R. 1972. The genera of Geraniaceae in the southeastern United States. J. Arnold Arbor. 53:182-201.

Erodium filaree

****cicutarium*** (Linnaeus) L'Héretier ex Aiton [M&H; W&S]

filaree, red-stem storkbill

Geranium cicutarium Linnaeus

texanum Gray [M&H; W&S]

Texas filaree

Geranium geranium

Aedo, C. 2000. The genus *Geranium* L. (Geraniaceae) in North America. I. Annual species. Anales Jard. Bot. Madrid 58(1):39-82.
Aedo, C. 2001. The genus *Geranium* L. (Geraniaceae) in North America. II. Perennial species. Anales Jard. Bot. Madrid 59(1):3-65. [*G. wislizeni*]
Holmgren, N. 1997. *Geranium*, pp. 330-336. IN: Intermountain Flora, vol. 3A. New York Botanical Garden. [*G. viscossimum*]

atropurpureum Heller = Geranium caespitosum James

caespitosum James [M&H; W&S]

tufted geranium

Geranium atropurpureum Heller
Geranium caespitosum James var. *eremophilum* (Wooton & Standley) ined. M&H
Geranium eremophilum Wooton & Standley
Geranium fremontii Torrey ex Gray
Geranium fremontii Torrey ex Gray var. *parryi* Engelmann
Geranium furcatum Hanks
Geranium parryi (Engelmann) Heller

caespitosum James var. *eremophilum* (Wooton & Standley) ined. [This combination not validly published by M&H; see ICBN, Article 33] = Geranium caespitosum James

carolinianum Linnaeus [M&H]

Carolina geranium

Geranium langloissi Greene

cicutarium Linnaeus = Erodium cicutarium (Linnaeus) L'Héretier ex Aiton
eremophilum Wooton & Standley = Geranium caespitosum James
fremontii Torrey ex Gray = Geranium caespitosum James
fremontii Torrey ex Gray var. *parryi* Engelmann = Geranium caespitosum James
furcatum Hanks = Geranium caespitosum James
langloissi Greene = Geranium carolinianum Linnaeus

lentum Wooton & Standley [Aedo 2001; W&S]

New Mexico geranium

nervosum Rydberg = Geranium viscosissimum Fischer & C.A. Meyer ex C.A. Meyer var. incisum (Torrey & Gray) N.H. Holmgren
parryi (Engelmann) Heller = Geranium caespitosum James

richardsonii Fischer & Trautvetter [M&H; W&S]

Richardson's geranium

strigosum Rydberg = Geranium viscosissimum Fischer & C.A. Meyer ex C.A. Meyer var. incisum (Torrey & Gray) N.H. Holmgren

viscosissimum Fischer & C.A. Meyer ex C.A. Meyer var. ***incisum*** (Torrey & Gray) N.H. Holmgren [Holmgren 1997]

sticky geranium

Geranium nervosum Rydberg
Geranium strigosum Rydberg

wislizeni S. Watson [Aedo 2001]

Wislizenus's geranium

Family GROSSULARIACEAE

Grossularia inermis (Rydberg) Coville & Britton = Ribes inerme Rydberg

leptantha (Gray) Coville & Britton = Ribes leptanthum Gray

Ribes currant, gooseberry

Berger, A. 1924. A taxonomic review of currants and gooseberries. New York Agric. Exp. Sta. Techn. Bull. 109:1-118.
Senters, A.E. & D.E. Soltis. 2003. Phylogenetic relationships in *Ribes* (Grossulariaceae) inferred from ITS sequence data. Taxon 52:51-66.
Sinnott, Q.P. 1985. A revision of *Ribes* L. subg. *Grossularia* (Miller) Persoon sect. *Grossularia* (Miller) Nuttall (Grossulariaceae) in North America. Rhodora 87:189-286.

americanum Miller [M&H; W&S]

wild black currant

aureum Pursh var. ***aureum*** [M&H; W&S]

golden currant

aureum Pursh var. ***villosum*** A.P. de Candolle [Great Plains Flora Association 1977]

golden currant

Ribes odoratum Wendland

cereum Douglas [M&H; W&S]

wax currant

Ribes cereum Douglas var. *pedicellare* Brewer & S. Watson
Ribes inebrians Lindley

cereum Douglas var. *pedicellare* Brewer & S. Watson = Ribes cereum Douglas
coloradense Coville = Ribes laxiflorum Pursh
inebrians Lindley = Ribes cereum Douglas

inerme Rydberg [M&H; W&S]

white-stem gooseberry

Grossularia inermis (Rydberg) Coville & Britton

laxiflorum Pursh [M&H; W&S]

trailing black currant

Ribes coloradense Coville

leptanthum Gray [M&H; W&S]

trumpet gooseberry

Grossularia leptantha (Gray) Coville & Britton

Ribes leptanthum Gray var. *veganum* Cockerell

leptanthum Gray var. *veganum* Cockerell = Ribes leptanthum Gray

mescalerium Coville [M&H; W&S]

Mescalero currant

mogollonicum Greene = Ribes wolfii Rothrock

montigenum McClatchie [M&H; W&S]

prickly gooseberry

odoratum Wendland = Ribes aureum Pursh var. villosum A.P. de Candolle

pinetorum Greene [M&H; W&S]

orange gooseberry

viscosissimum Pursh : Reported as expected by M&H map; awaits verification.

wolfii Rothrock [M&H; W&S]

Wolf's currant

Ribes mogollonicum Greene

Family GUNNERACEAE sensu stricto : Not in NM; see HALORAGACEAE

Family GUTTIFERAE = CLUSIACEAE

Family HALORAGACEAE

Hippuris mare's-tail

vulgaris Linnaeus

water mare's-tail

Myriophyllum water-milfoil

Adams, T. 1998. New plant distribution records. The New Mexico Botanist 7:6. [*Myriophyllum verticillatum*]

Aiken, S.G. 1981. A conspectus of *Myriophyllum* (Haloragaceae) in North America. Brittonia 33:57-69.

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Myriophyllum aquaticum*]

Allred, K.W. 2002. New plant distribution records. The New Mexico Botanist 21:2. [*Myriophyllum aquaticum*]

Orchard, A.E. 1981. A revision of South American *Myriophyllum* (Haloragaceae), and its repercussions on some Australian and North American species. Brunonia 4:27-65.

Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Myriophyllum pinnatum*]

****aquaticum*** (Vellozo) Verdcourt [Allred 1999, 2002]

parrot's feather

Myriophyllum brasiliense Cambessèdes

brasiliense Cambessèdes = Myriophyllum aquaticum (Vellozo) Verdcourt

exalbescens Fernald = Myriophyllum sibiricum Komarov

heterophyllum Michaux : Reported as expected by M&H map and also by Fernald (1950); awaits verification.

pinnatum (Walter) Britton, Sterns, & Poggenburg [Spellenberg et al. 1986]

cut-leaf water-milfoil

sibiricum Komarov [M&H]

Siberian water-milfoil

Myrioiphyllum exalbescens Fernald

Myriophyllum spicatum Linnaeus subsp. *exalbescens* (Fernald) Hultén

spicatum Linnaeus subsp. *exalbescens* (Fernald) Hultén = Myriophyllum sibiricum Komarov

****spicatum*** Linnaeus [M&H; W&S]

Eurasian water-milfoil

verticillatum Linnaeus [Adams 1998]

whorled water-milfoil

Family HEDERACEAE = ARALIACEAE

Family HELIOTROPACEAE = BORAGINACEAE

Family HYDRANGEACEAE

Edwinia americana (Torrey & Gray) Heller = Jamesia americana Torrey & Gray var. americana

Fendlera Fendler-bush

cymosa Greene ex Wooton & Standley = Fendlerella utahensis (S. Watson) Heller var. cymosa (Greene ex Wooton & Standley) Kearney & Peebles

falcata Thornber = Fendlera rupicola Gray var. falcata (Thornber) Rehder

rupicola Gray var. ***falcata*** (Thornber) Rehder [W&S]

cliff Fendler-bush

Fendlera falcata Thornber

rupicola Gray var. ***rupicola*** [M&H; W&S]
cliff Fendler-bush
rupicola Gray var. ***wrightii*** Gray [M&H; W&S]
Wright's Fendler-bush
Fendlera tomentella Thornber
tomentella Thornber = Fendlera rupicola Gray var. wrightii Gray

Fendlerella Fendler-bush
utahensis (S. Watson) Heller var. ***cymosa*** (Greene ex Wooton & Standley) Kearney & Peebles [M&H; W&S]
Utah Fendler-bush
Fendlera cymosa Greene ex Wooton & Standley

Jamesia cliffbush
Holmgren, N. & P.K. Holmgren. 1989. A taxonomic study of *Jamesia* (Hydrangeaceae). Brittonia 41:335-350.
americana Torrey & Gray var. ***americana*** [Holmgren & Holmgren 1989; M&H; W&S]
cliffbush
Edwinia americana (Torrey & Gray) Heller

Philadelphus mock-orange
Frazier, C. 1995. A taxonomic study of Philadelphus as it occurs in New Mexico. The New Mexico Botanist 13:1-6.
Hu, S.Y. 1954-56. A monograph of the genus *Philadelphus*. J. Arnold Arbor. 35:275-333. 36:52-109, 325-368. 37:15-90.
argenteus Rydberg = Philadelphus microphyllus Gray subsp. argenteus (Rydberg) C.L. Hitchcock
argyrocalyx Wooton = Philadelphus microphyllus Gray subsp. argyrocalyx (Wooton) C.L. Hitchcock
argyrocalyx Wooton var. *argenteus* (Rydberg) Engler = Philadelphus microphyllus Gray subsp. argenteus (Rydberg) C.L. Hitchcock
ellipticus Rydberg = Philadelphus microphyllus Gray subsp. argyrocalyx (Wooton) C.L. Hitchcock
hitchcockianus Hu = Philadelphus mearnsii W.H. Evans ex Rydberg
madrensis Hemsley = Philadelphus microphyllus Gray subsp. argenteus (Rydberg) C.L. Hitchcock
mearnsii W.H.Evans ex Rydberg [Frazier 1995; M&H; W&S]
Mearns's mock-orange
Philadelpus hitchcockianus Hu
microphyllus Gray subsp. ***argenteus*** (Rydberg) C.L. Hitchcock [Frazier 1995; M&H; W&S]
silver mock-orange
Philadelphus argenteus Rydb
Philadelphus argyrocalyx Wooton var. *argenteus* (Rydberg) Engler
Philadelphus madrensis Hemsley
Philadelphus microphyllus Gray var. *argenteus* (Rydberg) Kearney & Peebles
Philadelphus occidentalis sensu M&H
microphyllus Gray var. *argenteus* (Rydberg) Kearney & Peebles = Philadelphus microphyllus Gray subsp. argenteus (Rydberg) C.L. Hitchcock
+microphyllus Gray subsp. ***argyrocalyx*** (Wooton) C.L. Hitchcock [Frazier 1995; M&H; W&S]
little-leaf mock-orange
Philadelphus argyrocalyx Wooton
Philadelphus ellipticus Rydberg
Philadelphus serpyllifolius Gray subsp. *argyrocalyx* (Wooton) Hitchcock
Philadelphus serpyllifolius Gray var. *argyrocalyx* (Wooton) M.E. Jones
Philadelphus wootonii Hu
microphyllus Gray subsp. ***microphyllus*** [Frazier 1995; M&H; W&S]
little-leaf mock-orange
Philadelphus microphyllus Gray var. *ovatus* Hu
microphyllus Gray var. *ovatus* Hu = Philadelphus microphyllus Gray subsp. microphyllus
occidentalis sensu M&H = Philadelphus microphyllus Gray subsp. argenteus (Rydberg) C.L. Hitchcock
serpyllifolius Gray s.s. : Reported by M&H, but no verifying specimens found (Frazier 1995).
serpyllifolius Gray subsp. *argyrocalyx* (Wooton) Hitchcock = Philadelphus microphyllus Gray subsp. argyrocalyx (Wooton) C.L. Hitchcock
serpyllifolius Gray var. *argyrocalyx* (Wooton) M.E. Jones = Philadelphus microphyllus Gray subsp. argyrocalyx (Wooton) C.L. Hitchcock
wootonii Hu = Philadelphus microphyllus Gray subsp. argyrocalyx (Wooton) C.L. Hitchcock

Family HYDROPHYLLACEAE

Andropus carnosus (Wooton) Brand = Nama carnosum (Wooton) C. L. Hitchcock
Conanthus angustifolius (Gray) Heller = Nama dichotomum (Ruiz & Pavon) Choisy
carnosus Wooton = Nama carnosum (Wooton) C.L. Hitchcock
hispidus (Gray) Heller = Nama hispidum Gray

Ellisia Ellis-weed
nyctelea Linnaeus [M&H; W&S]
Aunt Lucy
Macrocalyx nyctelea (Linnaeus) Kuntze
Nyctelea nyctelea (Linnaeus) Britton

Eucrypta hide-seed
micrantha (Torrey) Heller [M&H; W&S]
dainty hide-seed
Macrocalyx micrantha (Torrey) Coville

Nyctelea micrantha (Torrey) Wooton & Standley
Phacelia micrantha Torrey

Hydrophyllum waterleaf

fendleri (Gray) Heller var. ***fendleri*** [M&H; W&S]
Fendler's waterleaf
Hydrophyllum occidentale (S. Watson) Gray var. *fendleri* Gray

occidentale (S. Watson) Gray var. *fendleri* Gray = Hydrophyllum fendleri (Gray) Heller var. fendleri

Macrocalyx micrantha (Torrey) Coville = Eucrypta micrantha (Torrey) Heller

nyctelea (Linnaeus) Kuntze = Ellisia nyctelea Linnaeus

Marilaunidium angustifolium (Gray) Kuntze = Nama dichotomum (Ruiz & Pavon) Choisy

foliosum Wooton & Standley = Nama hispidum Gray

hispidum (Gray) Kuntze = Nama hispidum Gray

tenue Small = Nama hispidum Gray

tenue Wooton & Standley, not Small = Nama dichotomum (Ruiz & Pavon) Choisy

xylopodum Wooton & Standley = Nama xylopodum (Wooton & Standley) C. L. Hitchcock

Nama fiddleleaf

Bacon, J.D. 1984. Chromosome numbers and taxonomic notes in the genus *Nama* (Hydrophyllaceae). II. Sida 10:267-275. [*Phacelia stevensii*]

Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Nama hispidum* var. *mentzelii*, *N.. retrorsum*]

angustifolium (Gray) A. Nelson = Nama dichotomum (Ruiz & Pavon) Choisy

biflorum Choisy var. *spathulatum* Torrey = Nama hispidum Gray

carnosum (Wooton) C. L. Hitchcock [M&H; W&S]
sand fiddleleaf
Andropus carnosus (Wooton) Brand
Conanthus carnosus Wooton

dichotomum (Ruiz & Pavon) Choisy [M&H; W&S]
wishbone fiddleleaf
Conanthus angustifolius (Gray) Heller
Marilaunidium angustifolium (Gray) Kuntze
Marilaunidium tenue Wooton & Standley, not Small
Nama angustifolium (Gray) A. Nelson
Nama dichotomum (Ruiz & Pavon) Choisy var. *angustifolium* Gray
Nama tenue (Wooton & Standley) Tidestrom

dichotomum (Ruiz & Pavon) Choisy var. *angustifolium* Gray = Nama dichotomum (Ruiz & Pavon) Choisy

foliosum (Wooton & Standley) Tidestrom = Nama hispidum Gray

hispidum Gray [M&H; W&S]
purple roll-leaf, sandbells
Conanthus hispidus (Gray) Heller
Marilaunidium foliosum Wooton & Standley
Marilaunidium hispidum (Gray) Kuntze
Marilaunidium tenue Small
Nama biflorum Choisy var. *spathulatum* Torrey
Nama hispidum Gray var. *mentzelii* Brand
Nama hispidum Gray var. *spathulatum* (Torrey) C.L. Hitchcock

hispidum Gray var. *mentzelii* Brand = Nama hispidum Gray

hispidum Gray var. *spathulatum* (Torrey) C.L. Hitchcock = Nama hispidum Gray

retrorsum J.T. Howell [Spellenberg et al. 1986]
Betatakin fiddleleaf

stevensii C.L. Hitchcock [Bacon 1984]
Stevens's fiddleleaf

tenue (Wooton & Standley) Tidestrom = Nama dichotomum (Ruiz & Pavon) Choisy

xylopodum (Wooton & Standley) C. L. Hitchcock [M&H; W&S]
yellow-seed fiddleleaf
Marilaunidium xylopodum Wooton & Standley

Nyctelea micrantha (Torrey) Wooton & Standley = Eucrypta micrantha (Torrey) Heller

nyctelea (Linnaeus) Britton = Ellisia nyctelea Linnaeus

Phacelia scorpion-weed

Atwood, N.D. & S.L. Welsh. 2005. New species of *Mentzelia* (Loasaceae) and *Phacelia* (Hydrophyllaceae) from New Mexico. Western North American Naturalist 65(3):365-370. [*Phacelia sivinskii*]

Atwood, N.D. 1975. A revision of the *Phacelia crenulatae* group (Hydrophyllaceae) for North America. Great Basin Naturalist 35:127-190.

Gillett, G.W. 1961. An experimental study of variation in the *Phacelia sericea* complex. Amer. J. Bot. 48:1-7. [Hydrophyllaceae]

Hartman, R.L. 1973. New plant records for New Mexico. Southwestern Naturalist 18(2):241-242. [*Phacelia denticulata*]

Knight, P.J. 1984. Noteworthy collections (New Mexico). Madroño 31:63. [*Phacelia splendens*]

Sivinski, R. 1993. Noteworthy collections (New Mexico). Madroño 40:273-274. [*Phacelia cephalotes*]

Sivinski, R. & K. Lightfoot. 1994. Status summary for the grama grass cactus (*Toumeya papyracantha*). U.S. Fish and Wildlife Service, Albuquerque, NM. [*Phacelia serrata*]

Soreng, R. 1984. Noteworthy collections (New Mexico). Madroño 31:126. [*Phacelia demissa*]

Worthington, R.D. 2005. Plant distribution reports. The New Mexico Botanist 34:7. [*Phacelia cryptantha*]

affinis Gray [M&H]

limestone scorpion-weed

alba Rydberg [Atwood 1975; M&H; W&S]

white scorpion-weed

Phacelia neomexicana Thurber var. *alba* (Rydberg) Brand

arizonica Gray [Atwood 1975; M&H; W&S]

Arizona scorpion-weed

Phacelia popei Torrey & Gray var. *arizonica* (Gray) Voss

bakeri (Brand) Macbride [Atwood 1975]

Baker's scorpion-weed

bombycina Wooton & Standley [M&H; W&S]

Mangas Spring scorpion-weed

Phacelia tenuipes Wooton & Standley

caerulea Greene [M&H; W&S]

sky-blue scorpion-weed

Phacelia intermedia Wooton

campestris A. Nelson = Phacelia ivesiana Torrey

cephalotes Gray [Sivinski 1993]

virgin scorpion-weed

congesta Hooker [M&H]

caterpillars

congesta Hooker var. *rupestris* (Greene) Macbride = Phacelia rupestris Greene

corrugata A. Nelson = Phacelia crenulata Torrey

crenulata Torrey ex S. Watson [M&H; W&S]

notched scorpion-weed

Phacelia corrugata A. Nelson

Phecelia crenulata Torrey ex S. Watson var. *corrugata*

crenulata Torrey ex S. Watson var. *corrugata* = Phacelia crenulata Torrey ex S. Watson

cryptantha Greene [Worthington 2005]

small-flower scorpion-weed

demissa Gray [Soreng 1984; W&S]

intermountain scorpion-weed

denticulata Osterhout [Hartman 1973; M&H]

Rocky Mountain scorpion-weed

depauperata Wooton & Standley = Phacelia popei Torrey & Gray

glandulosa Nuttall : Reported by W&S, but not occurring in NM (Atwood 1975).

heterophylla Pursh [W&S]

two-leaf scorpion-weed

integrifolia Torrey var. ***integrifolia*** [M&H]

gypsum scorpion-weed

integrifolia Torrey var. ***texana*** (Voss) Atwood [Atwood 1975]

gypsum scorpion-weed

intermedia Wooton = Phacelia caerulea Greene

ivesiana Torrey [M&H]

Ives scorpion-weed

Phacelia campestris A. Nelson

micrantha Torrey = Eucrypta micrantha (Torrey) Heller

neomexicana Thurber var. *alba* (Rydberg) Brand = Phacelia alba Rydberg

neomexicana Thurber ex Torrey [M&H; W&S]

New Mexico scorpion-weed

Phacelia neomexicana Thurber ex Torrey var. *pseudoarizonica* (Brand) Voss

neomexicana Thurber ex Torrey var. *pseudoarizonica* (Brand) Voss = Phacelia neomexicana Thurber ex Torrey

palmeri Torrey ex S. Watson : Reported by Kartesz (1999) for NM, supposedly based on Atwood (1975), but this is an error.

popei Torrey & Gray var. *arizonica* (Gray) Voss = Phacelia arizonica Gray

popei Torrey & Gray [Atwood 1975; M&H; W&S]

Pope's scorpion-weed

Phacelia depauperata Wooton & Standley

Phacelia popei Torrey & Gray var. *similis* (Wooton & Standley) Voss

Phacelia similis Wooton & Standley

popei Torrey & Gray var. *similis* (Wooton & Standley) Voss = Phacelia popei Torrey & Gray

rupestris Greene [Atwood 1975; M&H; W&S]

rock scorpion-weed

Phacelia congesta Hooker var. *rupestris* (Greene) Macbride

sericea (Graham) Gray [M&H; W&S]

purplefringe

serrata J. Voss [Sivinski & Lightfoot 1994]

saw-tooth scorpion-weed
similis Wooton & Standley = Phacelia popei Torrey & Gray
sivinskii N.D. Atwood, P.J. Knight, & Lowrey [Atwood & Welsh 2005]
Sivinski's scorpion-weed
splendens Eastwood [Knight 1984]
patchy scorpion-weed
tenuipes Wooton & Standley = Phacelia bombycina Wooton & Standley

Family HYPERICACEAE = CLUSIACEAE

Family JUGLANDACEAE

Juglans walnut
Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233. [*J. nigra*]
Whittemore, A.T. & D.E. Stone. *Juglans*, pp. 425-428. IN: Flora of North America, vol. 3. Oxford University Press.
major (Torrey) Heller [M&H; W&S]
Arizona walnut
microcarpa Berlandier var. ***microcarpa*** [M&H; W&S]
little walnut
Juglans rupestris Engelmann
nigra Linnaeus [Hartman et al. 2006]
black walnut
rupestris Engelmann ex Torrey = Juglans microcarpa Berlandier

Family KOEBERLINIACEAE

Koeberlinia crucifixion-thorn
spinosa Zuccarini var. ***spinosa***
crucifixion-thorn, crown-of-thorns

Family KRAMERIACEAE

Krameria ratany
Simpson, B.B. 1989. Krameriaceae. Flora Neotropica 49:1-108.
canescens Gray = Krameria grayi Rose & Painter
erecta Willdenow ex Schultes [M&H; W&S]
range ratany
Krameria glandulosa Rose & Painter
Krameria parvifolia Bentham var. *glandulosa* (Rose & Painter) Macbride
glandulosa Rose & Painter = Krameria erecta Willdenow ex Schultes
grayi Rose & Painter [M&H]
white ratany
Krameria canescens Gray
lanceolata Torrey [M&H; W&S]
trailing ratany
Krameria secundiflora auct. non A.P. de Candolle
parvifolia Bentham var. *glandulosa* (Rose & Painter) Macbride = Krameria erecta Willdenow ex Schultes
secundiflora auct. non A.P. de Candolle = Krameria lanceolata Torrey

Family LABIATAE = LAMIACEAE

Family LAMIACEAE (LABIATAE)

[Menthaceae]

Agastache giant-hyssop
Sanders, R.W. 1981. New taxa and combinations in *Agastache* (Lamiaceae). Brittonia 33(2):194-197.
Sanders, R.W. 1987. Taxonomy of *Agastache* section *Brittonastrum* (Lamiaceae-Nepeteae). Syst. Bot. Monogr. 15.
Worthington, R.. 2000. New plant distribution records. The New Mexico Botanist 16:7. [*Agastache pallidiflora* var. *havardii*]
breviflora (Gray) Epling [M&H] Note: Sanders (1987) did not include NM in his distribution; perhaps needs verification.
Trans-Pecos giant-hyssop
Cedronella breviflora Gray
cana (Hooker) Wooton & Standley [M&H; W&S]
mosquito-plant
Cedronella cana Hooker
greenei (Briquet) Wooton & Standley = Agastache pallidiflora (Heller) Rydberg subsp. pallidiflora var. greenei (Briquet) R. Sanders
lanceolata Standley = Agastache rupestris (Greene) Standley
mearnsii Wooton & Standley [M&H; W&S]
San Luis giant-hyssop
micrantha (Gray) Wooton & Standley [M&H; W&S]
white giant-hyssop

Cedronella micrantha Gray

neomexicana (Briquet) Standley = Agastache pallidiflora (Heller) Rydberg subsp. neomexicana (Briquet) Lint & Epling var. neomexicana (Briquet) R. Sanders

+pallidiflora (Heller) Rydberg subsp. ***neomexicana*** (Briquet) Lint & Epling var. ***neomexicana*** (Briquet) R. Sanders [M&H; W&S]

New Mexico giant-hyssop

Agastache neomexicana (Briquet) Standley

pallidiflora (Heller) Rydberg subsp. ***pallidiflora*** var. ***gilensis*** R.W. Sanders [Sanders 1981]

Gila giant-hyssop

pallidiflora (Heller) Rydberg subsp. ***pallidiflora*** var. ***greenei*** (Briquet) R. Sanders [W&S]

Greene's giant-hyssop

Agastache greenei (Briquet) Wooton & Standley

pallidiflora (Heller) Rydberg subsp. ***pallidiflora*** var. ***havardii*** (Gray) R. Sanders [Worthington 2000]

Havard's giant-hyssop

pallidiflora (Heller) Rydberg subsp. ***pallidiflora*** var. ***pallidiflora*** [M&H; W&S]

mountain giant-hyssop

+pringlei (Briquet) Lint & Epling var. ***verticillata*** (Wooton & Standley) R. Sanders [M&H; W&S]

Pringle's giant-hyssop

Agastache verticillata Wooton & Standley

rupestris (Greene) Standley [M&H; W&S]

thread-leaf giant-hyssop

Agastache lanceolata Standley

Cedronella rupestris Greene

verticillata Wooton & Standley = Agastache pringlei (Briquet) Lint & Epling var. verticillata (Wooton & Standley) R. Sanders

wrightii (Greenman) Wooton & Standley [M&H; W&S]

Wright's giant-hyssop

Brittonastrum wrightii (Greenman) Robinson

Cedronella wrightii Greenman

Brittonastrum wrightii (Greenman) Robinson = Agastache wrightii (Greenman) Wooton & Standley

Calamintha arkansana (Nuttall) Shinners = Satureja arkansana (Nuttall) Briquet

Cedronella breviflora Gray = Agastache breviflora (Gray) Epling

cana Hooker = Agastache cana (Hooker) Wooton & Standley

micrantha Gray = Agastache micrantha (Gray) Wooton & Standley

rupestris Greene = Agastache rupestris (Greene) Standley

wrightii Greenman = Agastache wrightii (Greenman) Wooton & Standley

Clinopodium vulgare Linnaeus = Satureja vulgaris (Linnaeus) Fritsch

Dracocephalum dragonhead

parviflorum Nuttall [M&H; W&S]

dragonhead

Moldavica parviflora (Nuttall) Britton

Hedeoma false-pennyroyal

Hall, H.H. & S. Flowers. 1961. Vascular plants found in the Navajo Reservoir Basin, pp. 47-87. IN: D.M. Pendergast (ed.). Ecological studies of the flora and fauna of Navajo Reservoir Basin, Colorado and New Mexico. Univ. Utah Anthropological Papers, number 55.

Irving, R.S. 1979. *Hedeoma todsenii* (Labiatae), a new and rare species from New Mexico. Madroño 26:184-187. [*Hedeoma todsenii*]

Irving, R.S. 1980. The systematics of *Hedeoma* (Labiatae). Sida 8:218-295.

Sivinski, R. & K. Lightfoot, eds. 1995. Inventory of rare and endangered plants of New Mexico. New Mexico Forestry and Resources Conservation Division, Misc. Publ. No. 4. [*Hedeoma apiculatum*]

Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Hedeoma dentatum*]

apiculata Stewart [Sivinski & Lightfoot 1995]

McKittrick's false-penneyroyal

ciliata Nuttall = Hedeoma drummondii Bentham [M&H]

convisae A. Nelson = Hedeoma costata Gray var. pulchella (Greene) Irving

costata Gray var. ***pulchella*** (Greene) Irving [Irving 1980; M&H; W&S]

ribbed false-pennyroyal

Hedeoma convisae A. Nelson

Hedeoma pulchella Greene

dentata Torrey [Spellenberg et al. 1986]

Arizona false-pennyroyal

dentata Torrey var. *nana* Torrey = Hedeoma nana (Torrey) Briquet

diffusa Greene : Reported by Hall & Flowers (1961); awaits verification.

drummondii Bentham [M&H; W&S]

Drummond's false-pennyroyal

Hedeoma ciliata Nuttall

Hedeoma lata Small

Hedeoma sancta Small

hyssopifolium Gray [M&H; W&S]

aromatic false-pennyroyal

incana Torrey = Poliomintha incana (Torrey) Gray
lata Small = Hedeoma drummondii Bentham
nana (Torrey) Briquet [M&H; W&S]
dwarf false-pennyroyal
Hedeoma dentata Torrey var. *nana* Torrey
Hedeoma thymoides Gray
oblongifolia (Gray) Heller [M&H; W&S]
thyme-leaf false-pennyroyal
Hedeoma piperita Bentham var. *oblongifolia* Gray
Hedeoma thymoides Gray var. *oblongifolia* Gray
piperita Bentham var. *oblongifolia* Gray = Hedeoma oblongifolia (Gray) Heller
plicata Torrey [M&H; W&S]
veiny false-pennyroyal
pulchella Greene = Hedeoma costata Gray var. pulchella (Greene) Irving
+pulcherrima Wooton & Standley [M&H; W&S]
White Mountain false-pennyroyal
reverchonii Gray var. ***serpyllifolia*** (Small) Irving [Irving 1980]
Reverchon's false-pennyroyal
sancta Small = Hedeoma drummondii Bentham
thymoides Gray = Hedeoma nana (Torrey) Briquet
thymoides Gray var. *oblongifolia* Gray = Hedeoma oblongifolia (Gray) Heller
+todsenii Irving [Irving 1979]
Todsen's false-pennyroyal

Isanthus false-pennyroyal
Lewis, H. 1945. A revision of the genus *Trichostema*. Brittonia 5:276-303. [*Isanthus brachiatus*]
brachiatus (Linnaeus) Britton, Sterns, & Poggenburg [Lewis 1945]
false-pennyroyal
Trichostema brachiatum Linnaeus

Lamium henbit
Mennema, J. 1989. A taxonomic revision of *Lamium* (Lamiaceae). Leiden Bot. Ser. 11:1-198.
****amplexicaule*** Linnaeus [M&H; W&S]
henbit

Leonurus motherwort
****cardiaca*** Linnaeus subsp. ***cardiaca*** [M&H]
motherwort

Lycopus water-horehound
Henderson, N.C. 1962. A taxonomic revision of the genus *Lycopus* (Labiatae). Amer. Midl. Naturalist 68:95-138.
americanus Muhlenberg ex W. Barton [Henderson 1962; M&H; W&S]
American water-horehound
Lycopus sinuatus Elliott
asper Greene [Henderson 1962; M&H; W&S]
rough water-horehound
Lycopus lucidus of American authors, not Turczaninow
lucidus of American authors, not Turczaninow = Lycopus asper Greene
sinuatus Elliott = Lycopus americanus Muhlenberg ex W. Barton
Madronella parvifolia (Greene) Rydberg = Monardella odoratissima Bentham

Marrubium horehound
****vulgare*** Linnaeus [M&H; W&S]
horehound
Melosmon laciniatum (Torrey) Small = Teucrium laciniatum Torrey

Mentha mint
arvensis Linnaeus [M&H; W&S]
field mint
Mentha canadensis Linnaeus
Mentha arvensis Linnaeus var. *penardi* Briquet
Mentha arvensis Linnaeus var. *villosa* (Bentham) S.R. Stewart
Mentha penardi (Briquet) Rydberg
arvensis Linnaeus var. *penardi* Briquet = Mentha arvensis Linnaeus
arvensis Linnaeus var. *villosa* (Bentham) S.R. Stewart = Mentha arvensis Linnaeus
canadensis Linnaeus = Mentha arvensis Linnaeus
penardi (Briquet) Rydberg = Mentha arvensis Linnaeus
****×rotundifolia*** (Linnaeus) Hudson [*longifolia*×*suaveolens*] [M&H; W&S]
hybrid mint
Mentha spicata Linnaeus var. *rotundifolia* Linnaeus
****spicata*** Linnaeus [M&H; W&S]
spearmint

Mentha spicata Linnaeus var. *viridis* Linnaeus
Mentha viridis Linnaeus
spicata Linnaeus var. *rotundifolia* Linnaeus = Mentha ×rotundifolia (Linnaeus) Hudson
spicata Linnaeus var. *viridis* Linnaeus = Mentha spicata Linnaeus
viridis Linnaeus = Mentha spicata Linnaeus
Moldavica parviflora (Nuttall) Britton = Dracocephalum parviflorum Nuttall
Monarda beebalm
McClintock, E. & C. Epling. 1942. A review of the genus *Monarda*. Univ. Calif. Publ. Bot. 20:147-194.
Prather, L.A. & J.A. Keith. 2003. *Monarda humilis* (Lamiaceae), a new combination for a species from New Mexico, and a key to the species of section *Cheilyctis*. Novon 13:104-109.
Scora, R. 1967. Interspecific relationships in the genus *Monarda* (Labiatae). Univ. Calif. Publ. Bot. 41:1-59.
Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Monarda citriodora*]
Turner, B.L. 1994. Taxonomic treatment of *Monarda* (Lamiaceae) for Texas and Mexico. Phytologia 77:56-79.
austromontana Epling = Monarda citriodora Cervantes subsp. austromontana (Epling) Scora
citriodora Cervantes ex Lagasca subsp. ***austromontana*** (Epling) Scora [M&H; W&S]
lemon beebalm
Monarda austromontana Epling
citriodora Cervantes ex Lagasca subsp. ***citriodora*** [Spellenberg et al. 1986; W&S]
lemon beebalm
Monarda tenuiaristata (Gray) Small
comata Rydberg = Monarda fistulosa Linnaeus var. menthifolia (Graham) Fernald
fistulosa Linnaeus var. ***menthifolia*** (Graham) Fernald [M&H; W&S]
Oswego tea
Monarda comata Rydberg
Monarda menthifolia Graham
Monarda stricta Wooton
+***humilis*** (Torrey) Prather & Keith [Prather & Keith 2003]
low beebalm
Monarda punctata Linnaeus var. *humilis* Torrey
lasiodonta (Gray) Small = Monarda punctata Linnaeus var. lasiodonta Gray
menthifolia Graham = Monarda fistulosa Linnaeus var. menthifolia (Graham) Fernald
pectinata Nuttall [M&H; W&S]
plains beebalm
punctata Linnaeus var. *humilis* Torrey = Monarda humilis (Torrey) Prather & Keith
punctata Linnaeus var. lasiodonta Gray : restricted by Turner (1994) as a taxon separate from var. occidentalis in eastern and southern Texas.
Monarda lasiodonta (Gray) Small
punctata Linnaeus var. ***occidentalis*** (Epling) Palmer & Steyermark [M&H; W&S]
spotted beebalm
stricta Wooton = Monarda fistulosa Linnaeus var. menthifolia (Graham) Fernald
tenuiaristata (Gray) Small = Monarda citriodora Cervantes subsp. citriodora
Monardella mountainbalm
Epling, C. 1925. Monograph of the genus *Monardella*. Ann. Missouri Bot. Gard. 12:1-106.
odoratissima Bentham [M&H; W&S]
fragrant mountainbalm
Madronella parvifolia (Greene) Rydberg
Monardella parvifolia Greene
parvifolia Greene = Monardella odoratissima Bentham
Nepeta catnip
cataria Linnaeus [M&H; W&S]
catnip
Physostegia false dragonhead
Cantino, P.D. 1982. A monograph of the genus *Physostegia* (Labiatae). Contr. Gray Herb. No. 211:1-105.
praemorsa Shinners = Physostegia virginiana (Linnaeus) Bentham subsp. praemorsa (Shinners) Cantino
serotina Shinners = Physostegia virginia (Linnaeus) Bentham subsp. praemorsa (Shinners) Cantino
virginiana (Linnaeus) Bentham subsp. ***praemorsa*** (Shinners) Cantino [Cantino 1982; M&H]
obedient-plant
Physostegia praemorsa Shinners
Physostegia serotina Shinners
Poliomintha Rosemary-mint
Irving, R.S. 1972. A revision of the genus *Poliomintha* (Labiatae). Sida 5:8-22.
incana (Torrey) Gray [M&H; W&S]
hoary Rosemary-mint
Hedeoma incana Torrey
Prunella selfheal
vulgaris Linnaeus var. ***lanceolata*** (W. Bart.) Hultén [M&H; W&S]
selfheal
Salazaria mexicana Torrey : Reported as expected by M&H map; awaits verification.

Salvia sage

Marley, G.A. & W.L. Wagner. 1981. Noteworthy collections (New Mexico). Madroño 28:41-43. [*Salvia microphylla* var. *wislizeni*]
Sivinski, R. 1997. New plant distribution records. The New Mexico Botanist 5:8. [*Salvia texana*]
Sivinski, R., T. Lowrey, & R. Peterson. 1994. Additions to the native and adventive flora of New Mexico. Phytologia 76(6):473-479. [*Salvia pratensis*]
Spellenberg, R.S., D. Anderson, & R. Brozka. 1993. Noteworthy Collections: New Mexico. Madroño 40:136-138. [*Salvia davidsonii*]
Walker, J.B. & W.J. Elisens. 2001. A revision of *Salvia* section *Heterosphace* (Lamiaceae) in western North America. Sida 19(3):571-589.
Worthington, R.D. 1982. Noteworthy collections (New Mexico-Texas). Madroño 29:217. [*Salvia summa*]

arizonica Gray : Reported as expected by M&H; awaits verification.

azurea Michaux ex Lamarck var. ***grandiflora*** Bentham [M&H; W&S]
blue sage
Salvia azurea Michaux ex Lamarck subsp. *pitcheri* (Torrey) Epling
Salvia azurea Michaux ex Lamarck var. *pitcheri* (Torrey) Sheldon
Salvia pitcheri Torrey

azurea Michaux ex Lamarck subsp. *pitcheri* (Torrey) Epling = Salvia azurea Michaux ex Lamarck var. grandiflora Bentham

azurea Michaux ex Lamarck var. *pitcheri* (Torrey) Sheldon = Salvia azurea Michaux ex Lamarck var. grandiflora Bentham

ballotiflora Bentham var. *pinguifolia* Fernald = Salvia pinguifolia (Fernald) Wooton & Standley

columbariae Bentham var. ***columbariae*** [M&H]
California sage

confinis Fernald = Salvia parryi Gray

davidsonii Greenman = Salvia henryi Gray

earlei Wooton & Standley = Salvia farinacea Bentham

farinacea Bentham [M&H; W&S]
mealy-cup sage
Salvia earlei Wooton & Standley

henryi Gray [M&H; W&S; Walker & Elisens 2001]
crimson sage
Salvia davidsonii Greenman

lancifolia sensu W&S = Salvia reflexa Hornemann

lemmonii Gray [M&H; Marley & Wagner 1981]
Lemmon's sage
Salvia microphylla Kunth var. *wislizeni* Gray

lycioides Gray [M&H; W&S]
canyon sage
Salvia ramosissima Fernald

microphylla Kunth var. *wislizeni* Gray = Salvia lemmonii Gray

parryi Gray : Reported as expected by M&H map; awaits verification.
Salvia confinis Fernald

pinguifolia (Fernald) Wooton & Standley [M&H; W&S]
rocky sage
Salvia ballotiflora Bentham var. *pinguifolia* Fernald
Salvia vinacea Wooton & Standley

pitcheri Torrey = Salvia azurea Lamarck var. grandiflora Bentham

****pratensis*** Linnaeus [Sivinski et al. 1994]
meadow sage

ramosissima Fernald = Salvia lycioides Gray

reflexa Hornemann [M&H; W&S]
lanceleaf sage
Salvia lancifolia sensu W&S

subincisa Bentham [M&H; W&S]
saw-tooth sage

summa A. Nelson [M&H; Walker & Elisens 2001; Worthington 1982]
great sage

texana (Scheele) Torrey [Sivinski 1997]
Texas sage

vinacea Wooton & Standley = Salvia pinguifolia (Fernald) Wooton & Standley

Satureja wild-basil

Gleason, H.A. & A. Cronquist. 1991. *Satureja*, pp. 439-440. IN: Manual of the Vascular Plants of Northeastern United States and Adjacent Canada, 2nd ed. New York Botanical Garden.
Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Satureja arkansana*]

arkansana (Nuttall) Briquet [Spellenberg et al. 1986]
limestone wild-basil
Calamintha arkansana (Nuttall) Shinners

vulgaris (Linnaeus) Fritsch [M&H; W&S]
wild-basil
Clinopodium vulgare Linnaeus

Scutellaria skullcap

Great Plains Flora Association. 1977. Atlas of the Flora of the Great Plains. Iowa State Univ. Press. 600 pp. [*Scutellaria lateriflora*]

Paton, A. 1990. A global taxonomic investigation of *Scutellaria* (Labiatae). Kew Bull. 45:399-450.
Turner, B.L. 1994. A taxonomic overview of *Scutellaria*, section *Resinosa* (Lamiaceae). Phytologia 76(5):345-382.
Turner, B.L. & P.G. Delprete. 1996. Nutlet sculpturing in *Scutellaria* sect. *Resinosa* (Lamiaceae) and its taxonomic utility. Pl. Syst. Evol. 199:109-120.

brittonii Porter [M&H]
Britton's skullcap

drummondii Bentham var. ***edwardsiana*** B.L. Turner [Turner 1994; M&H; W&S]
Edward's Plateau skullcap

****galericulata*** Linnaeus [M&H; W&S]
hooded skullcap

lateriflora Linnaeus [Great Plains Flora Association 1977]
mad dog skullcap

potosina Brandegee var. ***tessellata*** (Epling) B.L. Turner [M&H; Turner 1994]
Mexican skullcap
Scutellaria resinosa of NM authors
Scutellaria tessellata Epling

resinosa Torrey : Reported by M&H, but NM material referred to Scutellaria potosina Brandegee var. tessellata (Epling) B.L. Turner (Turner 1994).

tessellata Epling = Scutellaria potosina Brandegee var. tessellata (Epling) B.L. Turner

wrightii Gray : Not yet known from NM (Turner 1994).

Stachys hedge-nettle

coccinea Jacquin [M&H; W&S]
scarlet hedge-nettle

palustris Linnaeus subsp. *pilosa* (Nuttall) Epling = Stachys pilosa Nuttall var. pilosa

pilosa Nuttall var. ***pilosa*** [M&H; W&S]
hairy hedge-nettle
Stachys palustris Linnaeus subsp. *pilosa* (Nuttall) Epling
Stachys scopulorum Greene

rothrockii Gray [M&H; W&S]
Rothrock's hedge-nettle

scopulorum Greene = Stachys palustris Linnaeus subsp. pilosa (Nuttall) Epling

Teucrium germander

McClintock, E. & C. Epling. 1946. A revision of *Teucrium* in the New World, with observations on its variation, geographical distribution and history. Brittonia 5:491-510.

canadense Linnaeus var. ***angustatum*** Gray [M&H]
American germander

canadense Linnaeus var. ***occidentale*** (Gray) McClintock & Epling [M&H; W&S]
American germander
Teucrium occidentale Gray

cubense Jacquin var. ***densum*** Jepson [M&H]
coastal germander
Teucrium depressum Small

depressum Small = Teucrium cubense Jacquin var. densum Jepson

laciniatum Torrey [M&H; W&S]
lacy germander
Melosmon laciniatum (Torrey) Small

occidentale Gray = Teucrium canadense Linnaeus var. occidentale (Gray) McClintock & Epling

Trichostema bluecurls

Lewis, H. 1945. A revision of the genus *Trichostema*. Brittonia 5:276-303.

arizonicum Gray [M&M; W&S]
Arizona bluecurls

brachiatum Linnaeus = Isanthus brachiatus (Linnaeus) Britton, Sterns, & Poggenburg

Family LEGUMINOSAE = FABACEAE

Family LENTIBULARIACEAE
[Pinquiculaceae]

Utricularia bladderwort

Johnson, W.T. 1987. Bladderwort, Arizona's carnivorous wildflower. Desert Plants 8(3):140-141.
Taylor, P. 1989. The genus *Utricularia* - a taxonomic monograph. Kew Bull., Addit. Ser. 14:1-724.

macrorhiza LeConte [M&H; W&S]
greater bladderwort
Utricularia vulgaris of North American reports

vulgaris of North American reports = Utricularia macrorhiza LeConte

Family LINACEAE

Cathartolinum aristatum (Engelmann) Small = Linum aristatum Engelmann

australe (Heller) Small = Linum aristatum Engelmann var. australe (Heller) Kearney & Peebles
berlandieri (Hooker) Small = Linum berlandieri Hooker
neomexicanum (Greene) Small = Linum neomexicanum Greene
puberulum (Engelmann) Small = Linum puberulum (Engelmann) Heller
rigidum (Pursh) Small = Linum rigidum Pursh var. rigidum
vernale (Wooton) Small = Linum vernale Wooton
vestitum Wooton & Standley = Linum puberulum (Engelmann) Heller

Linum flax

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*L. subteres*]
Mosquin, T. 1971. Biosystematic studies in the North American species of *Linum*, section *Adenolinum* (Linaceae). Can. J. Bot. 49:1379-1388.
Rogers, C.M. 1968. Yellow-flowered species of *Linum* in Central America and western North America. Brittonia 20:107-135.
Rogers, C.M. 1984. Linaceae. N. Amer. Fl. II. 12:1-58.

aristatum Engelmann [M&H; W&S]
bristle flax
Cathartolinum aristatum (Engelmann) Small
aristatum Engelmann var. *australe* (Heller) Kearney & Peebles = Linum australe Heller var. australe
australe Heller var. ***australe*** [M&H; W&S]
southern flax
Cathartolinum australe (Heller) Small
Linum aristatum Engelmann var. *australe* (Heller) Kearney & Peebles
berlandieri Hooker [M&H; W&S]
Berlandier's yellow-flax
Cathartolinum berlandieri (Hooker) Small
Linum rigidum Pursh var. *berlandieri* (Hooker) Torrey & Gray
compactum A. Nelson [Great Plains Flora Association 1977] Note: This species not reported for NM by Rogers (1984); perhaps merits verification.
Wyoming flax
Linum rigidum Pursh var. *compactum* (A. Nelson) Rogers
hudsonioides Planchon [M&H]
Texas flax
lewisii Pursh [M&H; W&S]
prairie flax
Linum perenne Linnaeus var. *lewisii* (Pursh) Eaton & J. Wright
neomexicanum Greene [M&H; W&S]
New Mexico yellow flax
Cathartolinum neomexicanum (Greene) Small
perenne Linnaeus var. *lewisii* (Pursh) Eaton & J. Wright = Linum lewisii Pursh
pratense (Norton) Small [M&H]
meadow flax
puberulum (Engelmann) Heller [M&H; W&S]
plains flax
Cathartolinum puberulum (Engelmann) Small
Cathartolinum vestitum Wooton & Standley
rigidum Pursh var. *berlandieri* (Hooker) Torrey & Gray = Linum berlandieri Hooker
rigidum Pursh var. *compactum* (A. Nelson) Rogers = Linum compactum A. Nelson
rigidum Pursh var. ***rigidum*** [M&H]
large yellow-flax
Cathartolinum rigidum (Pursh) Small
rupestre (Gray) Engelmann ex Gray [Rogers 1968]
rock flax
schiedeanum Schlechtendal & Chamisso [M&H; Rogers 1968]
Schiede's flax
subteres (Trelease) Winkler : Reported by Heil et al. (2002), but the plant in question has been subsequently determined to be Linum aristatum Engelmann.
****usitatissimum*** Linnaeus [M&H]
cultivated flax
vernale Wooton [M&H; W&S]
Chihuahuan flax
Cathartolinum vernale (Wooton) Small

Family LOASACEAE

Acrolasia albicaulis (Douglas) Rydberg = Mentzelia albicaulis Douglas
parviflora (Heller) Heller = Mentzelia albicaulis Douglas
Bartonia decapetala Pursh ex Sims = Mentzelia decapetala (Pursh) ex Sims) Urban
multiflora Nuttall = Mentzelia multiflora (Nuttall) Gray
nuda Pursh = Mentzelia nuda (Pursh) Torrey & Gray var. nuda

pumila Nuttall ined. = Mentzelia pumila Nuttall ex Torrey & Gray var. pumila

Cevallia stinging-serpent

sinuata Lagasca
stinging-serpent

Mentzelia blazingstar, stickleaf

Atwood, N.D. & S.L. Welsh. 2005. New species of *Mentzelia* (Loasaceae) and *Phacelia* (Hydrophyllaceae) from New Mexico. Western North American Naturalist 65(3):365-370. [*Mentzelia todiltoensis*]

Darlington, J. 1934. A monograph of the genus *Mentzelia*. Ann. Missouri Bot. Gard. 21:103-225.

Holmgren, N.H., P.K. Holmgren, & A. Cronquist. 2005. Loasaceae, p. 81-118. IN: Holmgren, N.H., P.K. Holmgren, & A. Cronquist. Intermountain Flora, vol. 2, pt. B.

Sivinski, R. 1998. New plant distribution records. The New Mexico Botanist 7:6. [*Mentzelia marginata*]

Sivinski, R.C. 1998. Review and resurrection of *Mentzelia springeri* (Loasaceae). New Mexico Naturalist's Notes 1(2):43-45.

Spellenberg, R. & T. Wootten. 1999. Vascular plants on a gypsum outcrop in southern New Mexico: A listing, a new variety and taxonomic realignments in the *Anulocaulis leiosolenus* complex (Nyctaginaceae), and a new variety of *Mentzelia humilis* (Loasaceae). Sida 18(4):987-999.

Thompson, H.J. & A.M. Powell. 1981. Loasaceae of the Chihuahuan Desert region. Phytologia 49(1):16-32.

Thompson, H.J. & J.R. Zavortink. 1970. Loasaceae, pp. 1082-1087. IN: Manual of the Vascular Plants of Texas. Renner, Texas.

Todsen, T.K. 1999. A new endemic species of *Mentzelia* sect. *Bartonia* (Loasaceae) from New Mexico. Sida 18(3):819-822. [*Mentzelia conspicua*]

albicaulis Douglas ex Hooker [M&H; W&S]
white-stem blazingstar
Acrolasia albicaulis (Douglas ex Hooker) Rydberg
Acrolasia parviflora (Heller) Heller
Mentzelia parviflora Heller

asperula Wooton & Standley [M&H; Thompson & Powell 1981]
Organ Mountain blazingstar

+conspicua T.K. Todsen [Todsen 1999]

cronquistii H.J. Thompson & Prigge = Mentzelia marginata (Osterhout) H.J. Thompson & Prigge var. cronquistii (H.J. Thompson & Prigge) N.H. Holmgren & P.K. Holmgren

decapetala (Pursh ex Sims) Urban & Gilg ex Gilg [M&H; W&S]
gumbo-lily
Bartonia decapetala Pursh
Nuttallia decapetala (Pursh) Greene

+humilis (Gray) J. Darlington var. ***guadalupensis*** Spellenb. [Spellenberg & Wootten 1999]
gypsum blazingstar

humilis (Gray) J. Darlington var. ***humilis*** [M&H; W&S]
gypsum blazingstar
Mentzelia multiflora (Nuttall) Gray var. *humilis* Gray, not Acrolasia humilis Osterhout
Nuttallia gypsea Wooton & Standley
Nuttallia humilis (Gray) Rydberg

integra (M.E. Jones) Tidestrom = Mentzelia pumila Nuttall ex Torrey & Gray var. integra M.E. Jones

laciniata (Rydberg) J. Darlington [M&H; W&S]
cut-leaf blazingstar
Nuttallia laciniata (Rydberg) Wooton & Standley

marginata (Osterhout)Thompson & Prigge var. ***cronquistii*** (H.J. Thompson & Prigge) N.H. Holmgren & P.K. Holmgren [Holmgren et al. 2005; Sivinski 1998]
Cronquist's blazingstar
Mentzelia cronquistii H.J. Thompson & Prigge

monosperma Wooton & Standley = Mentzelia oligosperma Nuttall

multicaulis (Osterhout) A. Nelson ex J. Darlington : Sivinski (1997, pers. comm.) contends that the single record of Mentzelia multicaulis is a misapplication of that name to plants of Mentzelia springeri (Standley) Tidestrom
Nuttallia multicaulis Osterhout

multiflora (Nuttall) Gray [M&H; Thompson & Powell 1981; W&S]
Adonis blazingstar
Bartonia multiflora Nuttall
Mentzelia pumila Nuttall ex Torrey & Gray var. *multiflora* (Nuttall) Urban & Gilg
Nuttallia multiflora (Nuttall) Greene

multiflora (Nuttall) Gray var. *integra* M.E. Jones = Mentzelia pumila Nuttall ex Torrey & Gray var. integra (M.E. Jones) Kearney & Peebles

nuda (Pursh) Torrey & Gray var. ***nuda*** [M&H; W&S]
goodmother
Bartonia nuda Pursh
Nuttallia nuda (Pursh) Greene

nuda (Pursh) Torrey & Gray var. ***stricta*** (Osterhout) Harrington [M&H; W&S]
goodmother
Nuttallia stricta (Osterhout) Greene

oligosperma Nuttall ex Sims [M&H; Thompson & Powell 1981; W&S]
chicken-thief
Mentzelia monosperma Wooton & Standley

parviflora Heller = Mentzelia albicaulis Douglas ex Hooker

+***perennis*** Wooton [M&H; W&S]
Wooton's blazingstar
Nuttallia perennis (Wooton) Cockerell
pumila Nuttall ex Torrey & Gray var. ***integra*** M.E. Jones [M&H; W&S]
golden blazingstar
Mentzelia integra (M.E. Jones) Tidestrom
Mentzelia multiflora (Nuttall) Gray var. *integra* (M.E. Jones) Kearney & Peebles
Nuttallia integra (M.E. Jones) Rydberg
pumila Nuttall ex Torrey & Gray var. *multiflora* (Nuttall) Urban & Gilg = Mentzelia multiflora (Nuttall) Gray
pumila Nuttell ex Torrey & Gray var. ***procera*** (Wooton & Standley) J. Darlington [M&H; W&S]
golden blazingstar
Nuttallia procera Wooton & Standley
pumila Nuttall ex Torrey & Gray var. ***pumila*** [M&H]
golden blazingstar
Bartonia pumila Nuttall ined.
Nuttallia pumila (Nuttall ex Torrey & Gray) Greene
reverchonii (Urban & Gilg) Thompson & Zavortink [Thompson & Zavortink 1970]
Reverchon's blazingstar
rusbyi Wooton [M&H; W&S]
Rusby's blazingstar
Nuttallia rusbyi (Wooton) Rydberg
speciosa Osterhout [W&S] Note: This species was not treated by M&H; perhaps warrants verification.
showy blazingstar
Nuttallia speciosa (Osterhout) Greene
+***springeri*** (Standley) Tidestrom [Sivinski 1998; W&S]
Santa Fe blazingstar
Nuttallia springeri Standley
stricta (Osterhout) G.W. Stevens ex Jeffs & Little = Mentzelia nuda (Pursh) Torrey & Gray var. stricta (Osterhout) Harrington
strictissima (Wooton & Standley) J. Darlington [M&H; W&S]
grassland blazingstar
Nuttallia strictissima Wooton & Standley
+***todiltoensis*** Atwood & Welsh [Atwood & Welsh 2005]
Todilto stickleaf
thompsonii Glad [Holmgren et al. 2005]
Thompson's stickleaf
Acrolasia humilis Osterhout, not Mentzelia humilis (Gray) J. Darlington or Mentzelia humilis (Gray) J. Darlington
Nuttallia decapetala (Pursh) Greene = Mentzelia decapetala (Pursh) Urban & Gilg
gypsea Wooton & Standley = Mentzelia humilis (Gray) J. Darlington var. humilis
humilis (Gray) Rydberg = Mentzelia humilis (Gray) J. Darlington var. humilis
integra (M.E. Jones) Rydberg = Mentzelia pumila Nuttall ex Torrey & Gray var. integra M.E. Jones
laciniata (Rydberg) Wooton & Standley = Mentzelia laciniata (Rydberg) J. Darlington
multicaulis Osterhout = Mentzelia multicaulis (Osterhout) A. Nelson ex J. Darlington
multiflora (Nuttall) Greene = Mentzelia pumila Nuttall ex Torrey & Gray var. multiflora (Nuttall) Urban & Gilg
nuda (Pursh) Greene = Mentzelia nuda (Pursh) Torrey & Gray
perennis (Wooton) Cockerell = Mentzelia perennis Wooton
procera Wooton & Standley = Mentzelia pumila Nuttall ex Torrey & Gray var. procera (Wooton & Standley) J. Darlington
pumila (Nuttall ex Torrey & Gray) Greene = Mentzelia pumila Nuttall ex Torrey & Gray var. pumila
rusbyi (Wooton) Rydberg = Mentzelia rusbyi Wooton
speciosa (Osterhout) Greene = Mentzelia speciosa Osterhout
springeri Standley = Mentzelia springeri (Standley) Tidestrom
speciosa (Osterhout) Greene = Mentzelia speciosa Osterhout
stricta (Osterhout) Greene = Mentzelia nuda (Pursh) Torrey & Gray var. stricta (Osterhout) Harrington
strictissima Wooton & Standley = Mentzelia strictissima (Wooton & Standley) J. Darlington

Family LOBELIACEAE = CAMPANULACEAE

Family LOGANIACEAE

Buddleja = see BUDDLEJACEAE
Mitreola hornpod
Rogers, G.K. 1986. The genera of Loganiaceae in the southeastern United States. J. Arnold Arbor. 67(2):143-185. [*Mitreola sessilifolia*]
sessilifolia (J.F. Gmelin) G. Don [Rogers 1986] Note: Though reported by Rogers (1986), this occurs in east Texas and eastward; perhaps needs verification.
swamp hornpod

Family LORANTHACEAE sensu stricto : not in NM; see VISCACEAE

Family LYTHRACEAE

Ammannia redstem

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Ammannia coccinea*]

Graham, S.A. 1985. A revision of *Ammannia* (Lythraceae) in the Western Hemisphere. J. Arnold Arbor. 66:395-420.

auriculata Willdenow [Graham 1985; M&H]
eared redstem

coccinea Rottboell [Allred 1999]
valley redstem

Cuphea waxweed

Todsen, T.K. 1982. Noteworthy collections (New Mexico). Madroño 29:60. [*Cuphea wrightii*]

wrightii Gray [M&H]
Wright's waxweed

Lythrum loosestrife

Lee, R. 1999. New Mexico's Invasive Weeds. New Mexico State Univ. Coop. Ext. Serv. [*Lythrum salicaria*]

californicum Torrey & Gray [M&H]
California loosestrife

linearifolium (Gray) Small : Reported by W&S, but NM plants belong to Lythrum californicum Torrey & Gray (M&H).

***salicaria** Linnaeus [Lee 1999]
purple loosestrife

Nesaea stalkflower

Graham, S.A. 1977. The American species of *Nesaea* (Lythraceae) and their relationships to *Heimia* and *Decodon*. Syst. Bot. 2:61-71.

longipes Gray [Graham 1977]
stalkflower

Rotala toothcup

Sivinksi, R. 2002. New plant distribution reports. The New Mexico Botanist 24:7. [*R. ramosior*]

ramosior (Linnaeus) Koehne [Sivinksi 2002]
lowland toothcup

Family MALACEAE = ROSACEAE

Family MALPIGHIACEAE

Aspicarpa asp-head

Todsen, T.K. 1982. Noteworthy collections (New Mexico). Madroño 29:60. [*Aspicarpa hirtella*]

hirtella L.C.M. Richard [Todsen 1982]
chaparral asp-head

longipes Gray : Reported as expected by M&H; awaits verification.

Janusia propeller-plant

gracilis Gray [M&H; W&S]
propeller-plant

Family MALVACEAE

Fryxell, P.A. 1988. Malvaceae of Mexico. Syst. Bot. Monogr. 25:1-522.

Fryxell, P.A. 1994. Malvaceae. J. Ariz.-Nev. Acad. Sci. 27(2):222-236.

Abutilon Indian-mallow

Carter, J. 1996. New plant distribution records. The New Mexico Botanist 2:5. [*Abutilon incanum* subsp. *pringlei*]

Peterson, R.S. & R. Spellenberg. 2005. *Abutilon* (Malvaceae) in and near New Mexico. The New Mexico Botanist 32:6-7.

abutiloides (Jacquin) Arcke ex Britton & Wilson : Present in Arizona, just a few km west of the NM state line; to be expected.

crispum (Linnaeus) Sweet = Herissantia crispa (Linnaeus) Bricicky

fruticosum Guillemin & Perrottet [Peterson & Spellenberg 2005]
shrubby Indian-mallow
Abutilon texense Torrey & Gray

incanum (Link) Sweet [M&H; W&S]
pelotazo
Abutilon incanum (Link) Sweet subsp. *pringlei* (Hochreutiner) Felger & Lowe
Sida incana Link

incanum (Link) Sweet subsp. *pringlei* (Hochreutiner) Felger & Lowe = Abutilon incanum (Link) Sweet

malacum S. Watson [M&H; W&S]
yellow Indian-mallow

mollicomum (Willdenow) Sweet [Fryxell 1988, 1994]
Sonoran Indian-mallow
Abutilon sonorae Gray

parvulum Gray [M&H; W&S]
dwarf Indian-mallow

pinkavae P. Fryxell : Present just 9 km south of NM in Chihuahua; to be expected.

sonorae Gray = Abutilon mollicomum (Willdenow) Sweet

texense Torrey & Gray = Abutilon fruticosum Guillemin & Perrottet

***theophrasti** Medikus [M&H]
velvetleaf
Sida abutilon Linnaeus
wrightii Gray [M&H]
Wright's Indian-mallow

Alcea hollyhock

Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Althaea rosea*]

***rosea** Linnaeus [Spellenberg et al. 1986]
hollyhock
Althaea rosea (Linnaeus) Cavanilles

Allowissadula Indian-mallow

Bates, D.M. 1978. *Allowissadula*, a new genus of North American Malvaceae. Gentes Herbarium 11(5):329-354.
Spellenberg, R. 1996. New plant distribution records. The New Mexico Botanist 4:8. [*Allowissadula holosericea*]

holosericea (Scheele) Bates [Spellenberg 1996]
Chisos Mountain Indian-mallow

Althaea rosea (Linnaeus) Cavanilles = Alcea rosea Linnaeus

Anoda anoda

Fryxell, P.A. 1987. A revision of *Anoda* Cavanilles (Malvaceae). Aliso 11:485-522.

arizonica Gray var. *digitata* Gray = Anoda cristata (Linnaeus) Schlectendal
cristata (Linnaeus) Schlectendal [M&H; W&S]
spurred anoda
Anoda arizonica Gray var. *digitata* Gray
Anoda cristata (Linnaeus) Schlechtendal var. *digitata* (Gray) Hochreutiner
Sida cristata Linnaeus
Anoda lavaterioides Medikus
cristata (Linnaeus) Schlechtendal var. *digitata* (Gray) Hochreutiner = Anoda cristata (Linnaeus) Schlectendal
lanceolata Hooker & Arnott [M&H; W&S]
lance-leaf anoda
Anoda wrightii Gray
lavaterioides Medikus = Anoda cristata (Linnaeus) Schlectendal
pentaschista Gray [M&H; W&S]
field anoda
Sidanoda pentaschista (Gray) Wooton & Standley
thurberi Gray : Reported as expected by M&H map; awaits verification.
wrightii Gray = Anoda lanceolata Hooker & Arnott

Bogenhardia crispa (Linnaeus) Kearney = Herissantia crispa (Linnaeus) Bricicky

Callirhoe poppy-mallow

alcaeoides (Michaux) Gray [M&H; W&S]
light poppy-mallow
Sida alcaeoides Michaux
involucrata (Torrey & Gray) Gray [M&H; W&S]
wine-cups
Malva involucrata Torrey & Gray

Disella hederacea (Douglas) Greene = Malvella leprosa (Ortega) Krapovickas
lepidota (Gray) Greene = Malvella lepidota (Gray) Fryxell
sagittifolia (Gray) Greene = Malvella sagittifolia (Gray) Fryxell

Gayoides crispum (Linnaeus) Small = Herissantia crispa (Linnaeus) Bricicky

Herissantia bladder-mallow

Bricicky, G.K. 1968. *Herissantia, Bogenhardia*, and *Gayoides* (Malvaceae). J. Arnold Arbor. 49:278-279.

crispa (Linnaeus) Bricicky [M&H; W&S]
bladder-mallow
Abutilon crispum (Linnaeus) Sweet
Bogenhardia crispa (Linnaeus) Kearney
Gayoides crispum (Linnaeus) Small
Sida crispa Linnaeus

Hibiscus rose-mallow

Fryxell, P.A. 1980. a revision of the American species of *Hibiscus* sect. *Bombicella*. U.S.D.A. Tech. Bull. 1624:1-53.

biseptus S. Watson : Reported questionably by Kartesz (1999); awaits verification.
coulteri Harvey ex Gray [M&H]
desert rose-mallow
denudatus Bentham [M&H; W&S]
palefaces
Hibiscus denudatus Bentham var. *involucellatus* Gray
Hibiscus involucellatus (Gray) Wooton & Standley
denudatus Bentham var. *involucellatus* Gray = Hibiscus denudatus Bentham
involucellatus (Gray) Wooton & Standley = Hibiscus denudatus Bentham
lasiocarpos Cavanilles [M&H; W&S]

crimson-eye rose-mallow

trionum Linnaeus [M&H; W&S]

flower-of-an-hour

Trionum trionum (Linnaeus) Wooton & Standley

Iliamna wild-hollyhock

grandiflora (Rydberg) Wiggins [M&H; W&S]

wild-hollyhock

Phymosia grandiflora Rydberg

Sphaeralcea grandiflora Rydberg

Malva cheeseweed

crispa (Linnaeus) Linnaeus [M&H; W&S]

crisp cheeseweed

Malva verticillata Linnaeus var. *crispa* Linnaeus

hederacea Douglas = Malvella leprosa (Ortega) Krapovickas

involucrata Torrey & Gray = Callirhoe involucrata (Torrey & Gray) Gray

neglecta Wallroth [M&H]

dwarf cheeseweed

Malva rotundifolia of NM authors

parviflora Linnaeus [M&H; W&S]

small-flower cheeseweed

rotundifolia of NM authors = Malva neglecta Wallroth

sylvestris Linnaeus [M&H; W&S]

tall cheeseweed

verticillata Linnaeus var. *crispa* Linnaeus = Malva crispa Linnaeus

Malvastrum coccineum (Pursh) Gray = Sphaeralcea coccinea (Pursh) Rydberg var. coccinea

digitatum Greene = Sphaeralcea digitata (Greene) Rydberg var. digitata

elatum (Baker) A. Nelson = Sphaeralcea coccinea (Pursh) Rydberg var. elata (Baker) Kearney

leptophyllum Gray = Sphaeralcea leptophylla (Gray) Rydberg

micranthum Wooton & Standley = Sphaeralcea coccinea (Pursh) Rydberg var. coccinea

Malvella mallow

Fryxell, P.A. 1974. The North American Malvellas. Southw. Naturalist 19:97-103.

lepidota (Gray) Fryxell [Fryxell 1974; M&H; W&S]

scurfy mallow

Disella lepidota (Gray) Greene

Sida lepidota Gray

Sida lepidota Gray var. *depauperata* Gray

Sida leprosa (Ortega) K. Schumann var. *depauperata* (Gray) I. Clement

leprosa (Ortega) Krapovickas [Fryxell 1974; W&S]

alkali mallow

Disella hederacea (Douglas) Greene

Malva hederacea Douglas

Sida hederacea (Doubl.) Torrey

Sida leprosa (Ortega) K. Schumann

sagittifolia (Gray) Fryxell [Fryxell 1974; M&H; W&S]

arrow-leaf mallow

Disella sagittifolia (Gray) Greene

Sida lepidota Gray var. *sagittifolia* Gray

Sida leprosa (Ortega) K. Schumann var. *sagittifolia* (Gray) I. Clement

Sida sagittifolia (Gray) Rydberg

Phymosia grandiflora Rydberg = Iliamna grandiflora (Rydberg) Wiggins

Rhynchosida buff-petal

physocalyx (Gray) Fryxell [M&H; W&S]

buff-petal

Sida hastata St. Hilaire

Sida physocalyx Gray

Sida fan-petal

Fryxell, P.A. 1985. Sidus sidarum V. The North and Central American species of *Sida*. Sida 11:62-91.

abutifolia Miller [Fryxell 1985; M&H; W&S]

spreading fan-petal

Sida diffusa Humboldt, Bonpland, & Kunth

Sida filicaulis Torrey & Gray

Sida procumbens Swartz

abutilon Linnaeus = Abutilon theophrasti Medikus

alcaeoides Michaux = Callirhoe alcaeoides (Michaux) Gray

angustifolia Lamarck = Sida spinosa Linnaeus var. angustifolia (Lamarck) Grisebach

crispa Linnaeus = Herissantia crispa (Linnaeus) Brizicky

cristata Linnaeus = Anoda cristata (Linnaeus) Schlectendal

diffusa Humboldt, Bonpland, & Kunth = Sida abutifolia Miller
filicaulis Torrey & Gray = Sida abutifolia Miller
hastata St. Hilaire = Rhynchosida physocalyx (Gray) Fryxell
hederacea (Douglas) Torrey = Malvella leprosa (Ortega) Krapovickas
incana Link = Abutilon incanum (Link) Sweet
lepidota Gray = Malvella lepidota (Gray) Fryxell
leprosa (Ortega) K. Schumann s.s. = Malvella leprosa (Ortega) Krapovickas
leprosa (Ortega) K. Schumann var. *depauperata* (Gray) I. Clement = Malvella lepidota (Gray) Fryxell
leprosa (Ortega) K. Schumann var. *sagittifolia* (Gray) I. Clement = Malvella sagittifolia (Gray) Fryxell
neomexicana Gray [M&H; W&S]
New Mexico fan-petal
physocalyx Gray = Rhynchosida physocalyx (A. Gray) Fryxell
procumbens Swartz = Sida abutifolia Miller
sagitifolia (Gray) Rydberg = Malvella sagittifolia (Gray) Fryxell
spinosa Linnaeus var. angustifolia (Lamarck) Grisebach : Reported as expected by M&H; awaits verification.
Sida angustifolia Lamarck

Sidalcea checker-mallow
candida Gray var. ***candida*** [M&H; W&S]
white checker-mallow
neomexicana Gray [M&H; W&S]
New Mexico checker-mallow
Sidalcea parviflora Greene var. *thurberi* Robinson ex Gray
Sidalcea neomexicana Gray var. *parviflora* (Greene) Murray
parviflora Grerene var. *thurberi* Robinson ex Gray = Sidalcea neomexicana Gray
neomexicana Gray var. *parviflora* (Greene) Murray = Sidalcea neomexicana Gray
Sidanoda pentachista (Gray) Wooton & Standley = Anoda pentachista Gray

Sphaeralcea globemallow
Kearney, T.H. 1935. The North American species of *Sphaeralcea*, subgenus *Eusphaeralcea*. Univ. Calif. Publ. Bot. 19:1-128.
LaDuke, J.C. 1985. A new species of *Sphaeralcea* from New Mexico. Southw. Naturalist 30:433-436. [*Sphaeralcea polychroma*]
LaDuke, J.C. & D.K. Northington. 1978. The systematics of *Sphaeralcea coccinea* (Nuttall) Rydberg (Malvaceae). Southw. Natural. 23:651-660.
Shinners, L.H. 1964. Three new varietal names in *Sphaeralcea* (Malvaceae). Sida 1(6):384-385.
angustifolia (Cavanilles) G. Don [M&H; W&S]
copper globemallow
Sphaeralcea angustifolia (Cavanilles) G. Don var. *cuspidata* Gray
Sphaeralcea angustifolia (Cavanilles) G. Don var. *lobata* (Wooton) Kearney
Sphaeralcea angustifolia (Cavanilles) G. Don. var. *oblongifolia* (Gray) Shinners
Sphaeralcea cuspidata (Gray) Britton
Sphaeralcea incana Torrey var. *oblongifolia* Gray
Sphaeralcea lobata Wooton
angustifolia (Cavanilles) G. Don var. *cuspidata* Gray = Sphaeralcea angustifolia (Cavanilles) G. Don
angustifolia (Cavanilles) G. Don var. *lobata* (Wooton) Kearney = Sphaeralcea angustifolia (Cavanilles) G. Don
angustifolia (Cavanilles) G. Don. var. *oblongifolia* (Gray) Shinners = Sphaeralcea angustifolia (Cavanilles) G. Don
arenaria Wooton & Standley = Sphaeralcea hastulata Gray
arizonica Heller = Sphaeralcea parvifolia A. Nelson
coccinea (Nuttall) Rydberg var. ***coccinea*** [M&H; W&S]
scarlet globemallow
Malvastrum coccineum (Nuttall) Gray
Malvastrum micranthum Wooton & Standley
Sphaeralcea coccinea (Nuttall) Rydberg var. *dissecta* (Nuttall) Garrett
Sphaeralcea dissecta (Nuttall) Rydberg
coccinea (Nuttall) Rydberg var. *dissecta* (Nuttall) Garrett = Sphaeralcea coccinea (Nuttall) Rydberg var. coccinea
coccinea (Nuttall) Rydberg var. ***elata*** (Baker) Kearney [M&H; W&S]
scarlet globemallow
Malvastrum elatum (Baker) A. Nelson
cuspidata (Gray) Britton = Sphaeralcea angustifolia (Cavanilles) G. Don
digitata (Greene) Rydberg var. ***digitata*** [M&H]
juniper globemallow
Malvastrum digitatum Greene
digitata (Greene) Rydberg var. ***tenuipes*** (Wooton & Standley) Kearney [M&H; W&S]
juniper globemallow
Sphaeralcea tenuipes Wooton & Standley
dissecta (Nuttall) Rydberg = Sphaeralcea coccinea (Nuttall) Rydberg var. coccinea
emoryi Torrey ex Gray [M&H]
Emory's globemallow
fendleri Gray var. ***elongata*** Kearney [M&H]
Fendler's globemallow
fendleri Gray var. ***fendleri*** [M&H; W&S]

Fendler's globemallow
Sphaeralcea leiocarpa Wooton & Standley
fendleri Gray var. ***tripartita*** (Wooton & Standley) Kearney [M&H; W&S]
Fendler's globemallow
Sphaeralcea tripartita Wooton & Standley
glabrescens Wooton & Standley = Sphaeralcea hastulata Gray
grandiflora Rydberg = Iliamna grandiflora (Rydberg) Wiggins
grossulariifolia (Hooker & Arnott) Rydberg var. ***pedata*** (Torrey ex Gray) Kearny [M&H; W&S]
goose-berry globemallow
Sphaeralcea pedata Torrey
hastulata Gray [M&H; W&S]
wrinkled globemallow
Sphaeralcea arenaria Wooton & Standley
Sphaeralcea glabrescens Wooton & Standley
Sphaeralcea martii Cockerell
Sphaeralcea pumila Wooton & Standley
Sphaeralcea simulans Wooton & Standley
Sphaeralcea subhastata Coulter var. *connata* Kearney
Sphaeralcea subhastata Coulter var. *latifolia* Kearney
Sphaeralcea subhastata Coulter var. *martii* (Cockerell) Kearney
Sphaeralcea subhastata Coulter var. *pumila* (Wooton & Standley) Kearney
Sphaeralcea subhastata Coulter var. *subhastata*
incana Torrey ex Gray var. ***cuneata*** Kearney [M&H]
soft globemallow
incana Torrey ex Gray var. ***incana*** [M&H; W&S]
soft globemallow
incana Torrey var. *oblongifolia* Gray = Sphaeralcea angustifolia (Cavanilles) G. Don
laxa Wooton & Standley [M&H; W&S]
caliche globemallow
Sphaeralcea ribifolia Wooton & Standley
leiocarpa Wooton & Standley = Sphaeralcea fendleri Gray var. fendleri
leptophylla (Gray) Rydberg [M&H; W&S]
scaly globemallow
Malvastrum leptophyllum Gray
lobata Wooton = Sphaeralcea angustifolia (Cavanilles) G. Don
marginata York = Sphaeralcea parvifolia A. Nelson
martii Cockerell = Sphaeralcea hastulata Gray
parvifolia A. Nelson [M&H; W&S]
small-leaf globemallow
Sphaeralcea arizonica Heller
Sphaeralcea marginata York
pedata Torrey = Sphaeralcea grossulariifolia (Hooker & Arnott) Rydberg var. pedata (Torrey ex Gray) Kearny
polychroma La Duke [La Duke 1985]
Hot Springs globemallow
+procera Porter [M&H]
Luna County globemallow
pumila Wooton & Standley = Sphaeralcea hastulata Gray
ribifolia Wooton & Standley = Sphaeralcea laxa Wooton & Standley
simulans Wooton & Standley = Sphaeralcea hastulata Gray
subhastata Coulter var. *connata* Kearney = Sphaeralcea hastulata Gray
subhastata Coulter var. *latifolia* Kearney = Sphaeralcea hastulata Gray
subhastata Coulter var. *martii* (Cockerell) Kearney = Sphaeralcea hastulata Gray
subhastata Coulter var. *pumila* (Wooton & Standley) Kearney = Sphaeralcea hastulata Gray
subhastata Coulter var. *subhastata* = Sphaeralcea hastulata Gray
tenuipes Wooton & Standley = Sphaeralcea digitata (Greene) Rydberg var. tenuipes (Wooton & Standley) Kearney
tripartita Wooton & Standley = Sphaeralcea fendleri Gray var. tripartita (Wooton & Standley) Kearney
wrightii Gray [M&H]
Wright's globemallow
Trionum trionum (Linnaeus) Wooton & Standley = Hibiscus trionum Linnaeus

Family MARTYNIACEAE = PEDALIACEAE

Family MELIACEAE

Pennington, T.D. 1981. Meliaceae. Flora Neotrop. Monogr. 28.

Melia Chinaberry tree
****azedarach*** Linnaeus [M&H; W&S]

Chinaberry tree, pride-of-India

Family MENTHACEAE = LAMIACEAE

Family MENYANTHACEAE

Menyanthes buckbean

McGrath, J. 1999. New plant distribution records. The New Mexico Botanist 10:7. [*Menyanthes trifoliata*]

trifoliata Linnaeus [McGrath 1999]

buckbean

Family MIMOSACEAE = FABACEAE

Family MOLLUGINACEAE

Vincent, M.A. 2003. Molluginaceae, pp. 509-512. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

Mollugo carpetweed

****cerviana*** (Linnaeus) Seringe [M&H; Vincent 2001; W&S]

thread-stem carpetweed

verticillata Linnaeus [M&H; Vincent 2001; W&S]

green carpetweed

Family MONOTROPACEAE = ERICACEAE

Family MORACEAE

Wunderlin, R.P. 1997. Moraceae, pp. 388-399. IN: Flora North America, Vol. 3. Oxford University Press.

Maclura Osage-orange

****pomifera*** (Rafinesque) Schneider

Osage-orange

Toxylon pomiferum Rafinesque

Morus mulberry

Sivinski, R., T. Lowrey and R. Peterson. 1994. Additions to the native and adventive flora of New Mexico. Phytologia 76(6):473-479. [*Morus alba*]

****alba*** Linnaeus [Sivinski et al. 1994]

white mulberry

microphylla Buckley [M&H; W&S]

Texas mulberry

Toxylon pomiferum Rafinesque = Maclura pomifera (Rafinesque) Schneider

Family MUTISIACEAE = ASTERACEAE

Family NYCTAGINACEAE

Spellenberg, R.W. 2003. Nyctaginaceae, pp. 14-74. IN: Flora of North America, vol. 4. Oxford University Press, New York.

Abronia sand-verbena

Atwood, N.D., S.L. Welsh, & K.D. Heil. 2002. A new species of *Abronia* (Nyctaginaceae) from San Juan County, New Mexico, U.S.A. Novon 12:167-169. [*A. bolackii*]

Galloway, L.A. 1975. Systematics of the North American desert species of *Abronia* and *Tripterocalyx* (Nyctaginaceae). Brittonia 27:328-347.

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*A. nana harrisii*]

angustifolia Greene [Galloway 1975; M&H; W&S]

narrow-leaf sand-verbena

Abronia angustifolia Greene var. *arizonica* (Standley) Kearney & Peebles

Abronia arizonica Standley

Abronia torreyi Standley

angustifolia Greene var. *arizonica* (Standley) Kearney & Peebles = Abronia angustifolia Greene

arizonica Standley = Abronia angustifolia Greene

+*bigelovii* Heimerl [M&H; W&S]

Galisteo sand-verbena

+***bolackii*** Atwood, Welsh, & Heil [Atwood et al. 2002]

Bolack's sand-verbena

carltonii Coulter & Fisher [Galloway 1975]

Carlton's sand-verbena

carnea Greene = Tripterocalyx carnea (Greene) Galloway var. carnea

elliptica A. Nelson [Galloway 1975; M&H; W&S]

white sand-verbena

Abronia fragans Nuttall var. *elliptica* M.E. Jones

Abronia nana S. Watson var. *harrisii* Welsh

Abronia ramosa Standley

fendleri Standley = Abronia fragrans Nuttall

fragrans Nuttall ex Hooker [Galloway 1975; M&H; W&S]
fragrant sand-verbena, heart's delight
Abronia fendleri Standley
fragans Nuttall var. *elliptica* M.E. Jones = Abronia elliptica A. Nelson
micrantha Torrey = Tripterocalyx micranthus (Torrey) Hooker
nana S. Watson var. *harrisii* Welsh = Abronia elliptica A Nelson
ramosa Standley = Abronia elliptica A. Nelson
torreyi Standley = Abronia angustifolia Greene

Acleisanthes angel's trumpets

Fowler, B.A. & B.L. Turner. 1977. Taxonomy of *Selinocarpus* and *Ammocodon* (Nyctaginaceae). Phytologia 37:177-208.
Levin, R.A. 2002. Taxonomic status of *Acleisanthes*, *Selincocarpus*, and *Ammocodon* (Nyctaginaceae). Novon 12:58-63.
Smith, J.M. 1976. A taxonomic study of *Acleisanthes* (Nyctaginaceae). Wrightia 5(8):261-276.

chenopodioides (A. Gray) R.A. Levin [Fowler & Turner 1977; M&H; W&S]
goosefoot moonpod
Ammocodon chenopodioides (A. Gray) Standley
Selinocarpus chenopodioides A. Gray
diffusa (A. Gray) R.A. Levin [Fowler & Turner 1977; M&H; W&S]
spreading moonpod
Selinocarpus diffusus A. Gray
lanceolata (Wooton) R.A. Levin [Fowler & Turner 1977; M&H; W&S]
lance-leaf moonpod
Selinocarpus lanceolatus Wooton
longiflora Gray [M&H; W&S]
angel's trumpet's

Allionia windmills

Turner, B.L. 1993. Texas species of *Mirabilis* (Nyctaginaceae). Phytologia 75:432-451.
Turner, B.L. 1994. Revisionary study of the genus *Allionia* (Nyctaginaceae). Phytologia 77(1):45-55.

albida Walter = Mirabilis albida (Walter) Heimerl
bodinii (Holzinger) Morong = Mirabilis linearis (Pursh) Heimerl
carletonii Standley = Mirabilis glabra (S. Watson) Standley
choisyi Standley [M&H; W&S]
annual windmills
Allionia incarnata Linnaeus var. *glabra* Choisy
Wedelia glabra Standley
Wedeliella glabra (Choisy) Cockerell
coccinea (Torrey) Standley = Mirabilis coccineus (Torrey) Bentham & Hooker f.
comata Small = Mirabilis albida (Walter) Heimerl
diffusa Heller = Mirabilis linearis (Pursh) Heimerl
divaricata Rydberg = Mirabilis linearis (Pursh) Heimerl
gausapoides Standley = Mirabilis linearis (Pursh) Heimerl var. subhispida (Heimerl) Spellenberg
glabra (S. Watson) Kuntze = Mirabilis glabra S. Watson
glabra (S. Watson) Kuntze var. *recedens* (Weatherby) Standley = Mirabilis glabra S. Watson
hirsuta Pursh = Mirabilis albida (Walter) Heimerl
incarnata Linnaeus var. *glabra* Choisy = Allionia choisyi Standley
incarnata Linnaeus var. ***incarnata*** [M&H; W&S]
trailing windmills
Wedeliella incarnata (Linnaeus) Cockerell
Wedeliella incarnata (Linnaeus) Cockerell var. *anodonta* (Standley) Cockerell
incarnata Linnaeus var. ***villosa*** (Standley) B.L. Turner [Turner 1994]
trailing windmills
lanceolata Rydberg = Mirabilis lanceolata (Rydberg) Standley
linearifolia (S. Watson) Kuntze var. *filifolia* Standley = Mirabilis coccinea (Torrey) Bentham & Hooker
linearis Pursh = Mirabilis linearis (Pursh) Heimerl
linearis Pursh *subhispida* (Heimerl) Standley [rank unstated] = Mirabilis linearis (Pursh) Heimerl var. subhispida (Heimerl) Spellenberg
melanotricha Standley = Mirabilis melanotricha (Standley) Spellenberg
nyctaginea Michaux = Mirabilis nyctaginea (Michaux) MacMillan
pinetorum Standley = Mirabilis linearis (Pursh) Heimerl
pratensis Standley = Mirabilis albida (Walter) Heimerl
pumila Standley = Mirabilis albida (Walter) Heimerl
subhispida (Heimerl) Standley = Mirabilis linearis (Pursh) Heimerl var. subhispida (Heimerl) Spellenberg

Allionella oxybaphoides (Gray) Rydberg = Mirabilis oxybaphoides (Gray) Gray
oxybaphoides (Gray) Rydberg var. glabrata (Heimerl) Standley = Mirabilis oxybaphoides (Gray) Gray
Ammocodon chenopodioides (Gray) Standley = Acleisanthes chenopodioides (A. Gray) R.A. Levin

Anulocaulis ringstem

Spellenberg, R. 1993. Taxonomy of *Anulocaulis* (Nyctaginaceae). Sida 15(3):373-390.
Spellenberg, R. & T. Wootten. 1999. Vascular plants on a gypsum outcrop in southern New Mexico: A listing, a new variety and taxonomic realignments in the *Anulocaulis leiosolenus* complex (Nyctaginaceae), and a new variety of *Mentzelia humilis* (Loasaceae). Sida 18(4):987-999.

gypsogenus Waterfall = Anulocaulis leiosolenus (Torrey) Standley var. gypsogenus (Waterfall) Spellenb & T. Wootten

leiosolenus (Torrey) Standley var. ***gypsogenus*** (Waterfall) Spellenberg & T. Wootten [M&H; Spellenberg 1993; Spellenberg & Wootten 1999]
gypsum ringstem
Anulocaulis gypsogenus Waterfall
+leiosolenus (Torrey) Standley var. ***howardii*** Spellenberg & T. Wootten [Spellenberg & Wootten 1999]
Howard's ringstem
leiosolenus (Torrey) Standley var. ***leiosolenus*** [M&H; Spellenberg 1993; W&S]
southwestern ringstem
Boerhavia nummularia M.E. Jones

Boerhavia spiderling

Spellenberg, R. 2002. *Boerhavia coulteri* var. *palmeri*, a new varietal combination for *Boerhavia* (Nyctaginaceae) of southwestern North America. Sida 20(1):151-155. [*B. coulteri* var. *palmeri*]

coccinea Miller [M&H; W&S]
scarlet spiderling
Boerhavia ixodes Standley
Boerhavia ramulosa M.E. Jones
Boerhavia viscosa Lagasca & Rodríguez var. *oligadena* Heimerl
coulteri (Hooker f.) S. Watson var. ***coulteri*** [M&H; Spellenberg 2002]
Coulter's spiderling
coulteri (Hooker f.) S. Watson var. ***palmeri*** (S. Watson) Spellenberg [Spellenberg 2002]
Palmer's spiderling
Boerhavia spicata Choisy var. *palmeri* S. Watson
erecta Linnaeus [M&H; W&S]
erect spiderling
Boerhavia erecta Linnaeus var. *thornberi* (M.E. Jones) Standley
Boerhavia thornberi M.E. Jones
erecta Linnaeus var. *intermedia* (M.E. Jones) Kearney & Peebles = Boerhavia intermdia M.E. Jones
erecta Linnaeus var. *thornberi* (M.E. Jones) Standley = Boerhavia erecta Linnaeus
gracillima Heimerl [M&H; W&S]
bush spiderling
Boerhavia organensis Standley
gypsophiloides (Martius & Galeotti) Coulter = Cyphomeris gypsophiloides (Martius & Galeotti) Standley
intermedia M.E. Jones [M&H; W&S]
five-wing spiderling
Boerhavia erecta Linnaeus var. *intermedia* (M.E. Jones) Kearney & Peebles
ixodes Standley = Boerhavia coccinea Miller
linearifolia Gray [M&H; W&S]
narrow-leaf spiderling
Boerhavia tenuifolia Gray
nummularia M.E. Jones = Anulocaulis leisolenus (Torrey) Standley var. leiosolenus
organensis Standley = Boerhavia gracillima Heimerl
purpurascens Gray [M&H; W&S]
purple spiderling
ramulosa M.E. Jones = Boerhavia coccinea Miller
scandens Linnaeus = Commicarpus scandens (Linnaeus) Standley
spicata Choisy [M&H; W&S]
creeping spiderling
spicata Choisy var. *palmeri* S. Watson = Boerhavia coulteri (Hooker f.) S. Watson var. palmeri (S. Watson) Spellenberg
tenuifolia Gray = Boerhavia linearifolia Gray
thornberi M.E. Jones = Boerhavia erecta Linnaeus
torreyana (S. Watson) Standley [M&H; W&S]
Torrey's spiderling
viscosa Lagasca & Rodríguez var. *oligadena* Heimerl = Boerhavia coccinea Miller
wrightii Gray [M&H; W&S]
Wright's spiderling

Commicarpus wart-club

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Commicarpus scandens*]
Harriman, N.A. 1999. Synopsis of New World *Commicarpus* (Nyctaginaceae). Sida 18(3):679-684.

scandens (Linnaeus) Standley [Allred 1999; Harriman 1999]
climbing wart-club
Boerhavia scandens Linnaeus

Cyphomeris cyphomeris

Mahrt, M. & R. Spellenberg. 1995. Taxonomy of *Cyphomeris* (Nyctaginaceae) based on multivariate analyses of geographic variation. Sida 16(6):679-698.

gypsophiloides (Martius & Galeotti) Standley [M&H; Mahrt & Spellenberg 1995; W&S]
delicate darling
Boerhavia gypsophiloides (Martius & Galeotti) Coulter

Mirabilis four-o'clock

LeDuc, A. 1995. A revision of *Mirabilis* section *Mirabilis* (Nyctaginaceae). Sida 16(40):613-648.

Pilz, G.E. 1978. Systematics of *Mirabilis* subgenus *Quamoclidion* (Nyctaginaceae). Madroño 25:113-176.

Spellenberg, R. 1998 [1999]. *Mirabilis melanotricha* (Nyctaginaceae), a new combination for a common four o'clock from southwestern North America. Phytologia 85(2):99-104.

Spellenberg, R. & S.R. Rodriguez Tijerina. 2001. Geographic variation and taxonomy of North American species of *Mirabilis*, section *Oxybaphoides* (Nyctaginaceae). Sida 19(3):539-570.

Spellenberg, R. 2002. Varietal status for a hirsute phase of *Mirabilis linearis* (Nyctaginaceae). Novon 12:270-271.

Turner, B.L. 1993. Texas species of *Mirabilis* (Nyctaginaceae). Phytologia 75:432-451.

albida (Walter) Heimerl [M&H; M&H]
white four-o'clock
Allionia albida Walter
Allionia comata Small
Allionia hirsuta Pursh
Allionia lanceolata Rydberg
Allionia pratensis Standley
Allionia pumila Standley
Mirabilis comata (Small) Standley
Mirabilis lanceolata (Rydberg) Standley
Oxybaphus albidus (Walter) Choisy
Oxybaphus comatus (Small) Weatherby
Oxybaphus hirsutus (Pursh) Sweet
Oxybaphus lanceolatus (Rydberg) Standley
Oxybaphus pumilus (Standley) Standley

carletonii (Standley) Standley = Mirabilis glabra (S. Watson) Standley

coccinea (Torrey) Bentham & Hooker f. [M&H; W&S]
scarlet four-o'clock
Allionia coccinea (Torrey) Standley
Allionia linearifolia (S. Watson) Kuntze var. *filifolia* Standley
Oxybaphus coccineus Torrey
Oxybaphus linearifolius S. Watson

comata (Small) Standley = Mirabilis albida (Walter) Heimerl

decipiens (Standley) Standley = Mirabilis linearis (Pursh) Heimrl

decumbens (Nuttall) Daniels : Tentative report by M&H map; awaits verification.
Oxybaphus decumbens Nuttall

diffusa (Heller) Reed = Mirabilis linearis (Pursh) Heimerl

gausapoides (Standley) Standley = Mirabilis linearis (Pursh) Heimerl var. subhispida (Heimerl) Spellenberg

glabra (S. Watson) Standley [M&H; Turner 1993; W&S]
smooth four-o'clock
Allionia carletonii Standley
Allionia glabra (S. Watson) Kuntze
Allionia glabra (S. Watson) Kuntze var. *recedens* (Weatherby) Standley
Oxybaphus carletonii (Standley) Weatherby
Oxybaphus glaber S. Watson

hirsuta (Pursh) MacMillan = Mirabilis albida (Walter) Heimerl

jalapa Linnaeus (garden four o'clock) : Reported as expected by M&H map; not yet known in NM except as a garden ornamental (Le Duc 1995); awaits verification.

lanceolata (Rydberg) Standley = Mirabilis albida (Walter) Heimerl

linearis (Pursh) Heimerl var. ***decipiens*** (Standley) S.L. Welsh [M&H]
ribbon four-o'clock
Allionia decipiens Standley

linearis (Pursh) Heimerl var. ***linearis*** [M&H; Turner 1993; W&S]
ribbon four-o'clock
Allionia bodinii (Holzinger) Morong
Allionia divaricata Rydberg
Allionia diffusa Heller
Allionia linearis Pursh
Allionia pinetorum Standley
Mirabilis decipiens (Standley) Standley
Mirabilis diffusa (Heller) Reed
Oxybaphus diffusus (Heller) ined. Note: This combination not validly published by M&H [ICBN, Article 33]
Oxybaphus linearis (Pursh) Robinson var. *decipiens* (Standley) Kearney & Peebles
Oxybaphus linearis (Pursh) Robinson var. *linearis*

linearis (Pursh) Heimerl. forma subhispida Heimerl = Mirabilis linearis (Pursh) Heimerl var. subhispida (Heimerl) Spellenberg

linearis (Pursh) Heimerl var. ***subhispida*** (Heimerl) Spellenberg [M&H; W&S]
ribbon four-o'clock
Allionia gausapoides Standley
Allionia linearis Pursh *subhispida* (Heimerl) Standley [rank unstated]
Allionia subhispida (Heimerl) Standley

Mirabilis gausapoides (Standley) Standley
Mirabilis linearis (Pursh) Heimerl. f. subhispida Heimerl
Oxybaphus linearis (Pursh) Robinson var. *subhispidus* (Heimerl) Dayton

longiflora Linnaeus [M&H; Le Duc 1995; W&S]
sweet four-o'clock
Mirabilis longiflora Linnaeus var. *wrightiana* (Gray ex Britton & Kearney) Kearney & Peebles
Mirabilis wrightiana Gray ex Britton & Kearney

melanotricha (Standley) Spellenberg [Spellenberg 1998; W&S]
Standley's four-o'clock
Allionia melanotricha Standley

multiflora (Torrey) Gray [M&H; W&S]
Colorado four-o'clock
Oxybaphus multiflorus Torrey
Quamoclidion multiflorumi Torrey

nyctaginea (Michaux) MacMillan [M&H; Turner 1993]
heart-leaf four-o'clock
Allionia nyctaginea Michaux
Oxybaphus nyctagineus (Michaux) Sweet

oblongifolia (A. Gray) Heimerl = Mirabilis albida (Walter) Heimerl

oxybaphoides (Gray) Gray [M&H; W&S]
spreading four-o'clock
Allionella oxybaphoides (Gray) Rydberg
Allionella oxybaphoides (Gray) Rydberg var. *glabrata* (Heimerl) Standley
Mirabilis oxybaphoides (Gray) Gray var. *glabrata* Heimerl
Oxybaphus wrightii Hemsley
Quamoclidion oxybaphoides Gray

oxybaphoides (Gray) Gray var. *glabrata* Heimerl = Mirabilis oxybaphoides (Gray) Gray
pumila (Standley) Standley = Mirabilis albida (Walter) Heimerl
wrightiana Gray ex Britton & Kearney = Mirabilis longiflora Linnaeus

Nyctaginea devil's-bouquet

capitata Choisy [M&H; W&S]
devil's-bouquet
Nyctaginea cockerellae A. Nelson

cockerellae A. Nelson = Nyctaginea capitata Choisy

Oxybaphus albidus (Walter) Choisy = Mirabilis albida (Walter) Heimerl
carletonii (Standley) Weatherby = Mirabilis glabra (S. Watson) Standley
coccineus Torrey = Mirabilis coccineus (Torrey) Bentham & Hooker f.
comatus (Small) Weatherby = Mirabilis albida (Walter) Heimerl
decumbens Nuttall = Mirabilis decumbens (Nuttall) Daniels
diffusus (Heller) ined. (This combination not validly published by M&H [ICBN, Article 33]) = Mirabilis linearis (Pursh) Heimerl
glaber S. Watson = Mirabilis glabra (S. Watson) Standley
hirsutus (Pursh) Sweet = Mirabilis albida (Walter) Heimerl
lanceolatus (Rydberg) Standley = Mirabilis lanceolata (Rydberg) Standley
linearifolius S. Watson = Mirabilis coccineus (Torrey) Bentham & Hooker f.
linearis (Pursh) Robinson var. *decipiens* (Standley) Kearney & Peebles = Mirabilis linearis (Pursh) Heimerl
linearis (Pursh) Robinson var. *linearis* = Mirabilis linearis (Pursh) Heimerl
linearis (Pursh) Robinson var. *subhispidus* (Heimer) Dayton = Mirabilis linearis (Pursh) Heimerl
multiflorus Torrey = Mirabilis multiflora (Torrey) Gray
nyctagineus (Michaux) Sweet = Mirabilis nyctaginea (Michaux) MacMillan
pumilus (Standley) Standley = Mirabilis albida (Walter) Heimerl
wrightii Hemsley = Mirabilis oxybaphoides (Gray) Gray
Quamoclidion multiflorum Torrey = Mirabilis multiflora (Torrey) Gray
oxybaphoides Gray = Mirabilis oxybaphoides (Gray) Gray
Selinocarpus *chenopodioides* Gray = Acleisanthes chenopodioides (A. Gray) R.A. Levin
diffusus Gray = Acleisanthes diffusus (A. Gray) R.A. Levin
lanceolatus Wooton = Acleisanthes lanceolatus (Wooton) R.A. Levin

Tripterocalyx sand-puffs

Galloway, L.A. 1975. Systematics of the North American desert species of *Abronia* and *Tripterocalyx* (Nyctaginaceae). Brittonia 27:328-347.

carneus (Greene) Galloway [Galloway 1975; M&H; W&S]
winged sand-puffs
Abronia carnea Greene
Tripterocalyx cyclopterus sensu Standley

carneus (Greene) Galloway var. *wootonii* (Standley) Galloway = Tripterocalyx wootonii Standley
cyclopterus sensu Standley = Tripterocalyx carneus (Greene) Galloway

micranthus (Torrey) Hooker [Galloway 1975; M&H; W&S]
small-flower sand-puffs
Abronia micrantha Torrey
Tripterocalyx micranthus (Torrey) Hooker forma *albus* Moldenke

micranthus (Torrey) Hooker forma albus Moldenke = Tripterocalyx micranthus (Torrey) Hooker
wootonii Standley [Galloway 1975; M&H; W&S]
Wooton's sand-puffs
Tripterocalyx carneus (Greene) Galloway var. *wootonii* (Standley) Galloway
Wedeliella glabra (Choisy) Cockerell = Allionia choisyi Standley
incarnata (Linnaeus) Cockerell = Allionia incarnata Linnaeus var. incarnata
incarnata (Linnaeus) Cockerell var. anodonta (Standley) Cockerell = Allionia incarnata Linnaeus var. incarnata

Family NYMPHAEACEAE

Nuphar pond-lily
Wiersema, J.H. & C.B. Hellquist. 1997. *Nuphar*, pp. 67-71. IN: Flora of North America, vol. 3. Oxford University Press.
polysepala Engelmann [M&H; Wiersema & Hellquist 1997]
yellow pond-lily
Nymphaea polysepala (Engelmann) Greene
Nymphaea water-lily
Wiersema, J.H. 1997. *Nymphaea*, pp. 71-77. IN: Flora of North America, vol. 3. Oxford University Press.
Allred, K.W. 2001. New plant distribution records. The New Mexico Botanist 20:8. [*Nymphaea mexicana*]
****mexicana*** Zuccarini [Allred 2001]
Mexican water-lily
****odorata*** Aiton [Wiersema 1997]
white water-lily
polysepala (Engelmann) Greene = Nuphar polysepala Engelmann

Family OLEACEAE

Adelia neomexicana (Gray) Kuntze = Forestiera pubescens Nuttall
Forestiera desert-olive
Hess, W.J. 2000. New plant distribution records. The New Mexico Botanist 14:4. [*F. shrevei*]
neomexicana Gray = Forestiera pubescens Nuttall
pubescens Nuttall [M&H; W&S]
New Mexico desert-olive
Adelia neomexicana (Gray) Kuntze
Forestiera neomexicana Gray
Forestiera pubescens Nuttall var. glabrifolia Shinners
pubescens Nuttall var. glabrifolia Shinners = Forestiera pubescens Nuttall
shrevei Standley [Hess 2000]
Shreve's desert-olive
Fraxinus ash
Elias, T.S. 1980. The Complete Trees of North America. Van Nostrand Reinhold Company, New York.
Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*F. pennsylvanica*]
Huff, C. 1996. New plant distribution records. The New Mexico Botanist 3:6. [*Fraxinus lowellii*]
Miller, G.N. 1955. The genus *Fraxinus*, the ashes, in North America, north of Mexico. New York State College Agr. Mem. (Cornell Univ.) 335. 1-64.
anomala Torrey ex S. Watson var. ***anomala*** [M&H; W&S]
singleleaf ash
anomala Torrey ex S. Watson var. *lowellii* (Sargent) Little = Fraxinus lowellii Sargent
attenuata M.E. Jones = Fraxinus velutina Torrey
berlandieriana A. A.P. de Candolle : Reported as expected by M&H; awaits verification.
cuspidata Torrey [M&H; W&S]
fragrant ash
lowellii Sargent [Huff 1996]
Lowell's ash
Fraxinus anomala Torrey ex S. Watson var. *lowellii* (Sargent) Little
greggii Gray [M&H]
Gregg's ash
papillosa Lingelsheim [M&H]
Chihuahua ash
****pennsylvanica*** Marshall [Heil et al. 2002]
green ash
pennsylvanica Marshall subsp. velutina (Torrey) G.N. Miller = Fraxinus velutina Torrey
velutina Torrey [M&H; W&S]
velvet ash
Fraxinus attenuata M.E. Jones
Fraxinus pennsylvanica Marshall subsp. *velutina* (Torrey) G.N. Miller
Fraxinus velutina Torrey var. *glabra* (Thornber) Rehder
Fraxinus velutina Torrey var. *toumeyi* (Britton) Rehder
velutina Torrey var. *glabra* (Thornber) Rehder = Fraxinus velutina Torrey
velutina Torrey var. *toumeyi* (Britton) Rehder = Fraxinus velutina Torrey

Ligustrum privet

Allred, B. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Ligustrum vulgare*]

****vulgare*** Linnaeus [Allred, B. 2000]

European privet

Menodora menodora

Turner, B.L. 1991. An overview of the North American species of *Menodora* (Oleaceae). Phytologia 71:340-356.

decemfida (Gill ex Hooker & Arnott) Gray var. ***longifolia*** Steyermark [??]

ten-finger menodora

laevis Wooton & Standley = Menodora scabra Gray

longiflora Gray [M&H; W&S]

showy menodora

Menodoropsis longiflora (Gray) Small

scabra Gray var. *laevis* (Wooton & Standley) Steyermark = Menodora scabra Gray

scabra Gray var. *ramosissima* Steyermark = Menodora scabra Gray

scabra Gray [M&H; W&S]

rough menodora

Menodora laevis Wooton & Standley

Menodora scabra Gray var. *laevis* (Wooton & Standley) Steyermark

Menodora scabra Gray var. *ramosissima* Steyermark

Menodora scoparia Engelmann

scoparia Engelmann = Menodora scabra Gray

Menodoropsis longiflora (Gray) Small = Menodora longiflora Gray

Syringa lilac

Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233. [*S. vulgaris*]

****vulgaris*** Linnaeus [Hartman et al. 2006]

lilac

Family ONAGRACEAE

[Epilobiaceae]

Cronquist, A., N.H. Holmgren, & P.K. Holmgren. 1997. Onagraceae, pp. 172-244. IN: Intermountain Flora, vol. 3A. New York Botanical Garden.

Raven, P.H. 1976. Generic and sectional delimitation in Onagraceae, tribe Epilobieae. Ann. Missouri Bot. Gard. 63:326-340.

Anogra albicaulis (Pursh) Britton = Oenothera albicaulis Pursh

amplexicaulis (Wooton & Standley) Tidestrom = Oenothera laciniata Hill subsp. pubescens (Willdenow) Munz

coronopifolia (Torrey & Gray) Britton = Oenothera coronopifolia Torrey & Gray

ctenophylla Wooton & Standley = Oenothera albicaulis Pursh

engelmannii (Small) Wooton & Standley = Oenothera engelmannii (Small) Munz

gypsophila (Eastwood) Heller = Oenothera pallida Lindley subsp. runcinata (Engelmann) Munz & Klein

latifolia Rydberg = Oenothera pallida Lindley subsp. latifolia (Rydberg) Munz

leucotricha Wooton & Standley = Oenothera pallida Lindley subsp. runcinata (Engelmann) Munz & Klein

neomexicana Small = Oenothera neomexicana (Small) Munz

pallida (Lindley) Britton = Oenothera pallida Lindley subsp. pallida

pallida (Lindley) Britton var. *runcinata* (Engelmann) Small = Oenothera pallida Lindley subsp. runcinata (Engelmann) Munz & Klein

albicaulis Britton var. *runcinata* Engelmann = Oenothera pallida Lindley subsp. runcinata (Engelmann) Munz & Klein

runcinata (Engelmann) Wooton & Standley = Oenothera pallida Lindley subsp. runcinata (Engelmann) Munz & Klein

Calylophus sundrops

Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Calylophus berlandieri* subsp. *pinifolius*]

Towner, H.F. 1977. The biosystematics of *Calylophus* (Onagraceae). Ann. Missouri Bot. Gard. 64:48-120.

berlandieri Spach subsp. ***berlandieri*** [Towner 1977]

Berlandier's sundrops

berlandieri Spach subsp. ***pinifolius*** (Engelmann ex Gray) Towner [Spellenberg et al. 1986]

Berlandier's sundrops

hartwegii (Bentham) Raven subsp. ***fendleri*** (Gray) Towner & Raven [M&H; W&S]

Fendler's sundrops

Galpinsia fendleri (Gray) Heller

Oenothera hartwegii Bentham var. *fendleri* Gray

hartwegii (Bentham) Raven subsp. ***filifolius*** (Eastwood) Towner & Raven [M&H; W&S]

Hartweg's sundrops

Galpinsia filifolia (Eastwood) Wooton

Oenothera filifolia (Eastwood) Tidestrom

Oenothera tubicula Gray var. *filifolia* Eastwood

hartwegii (Bentham) Raven subsp. hartwegii : Reported by M&H and W&S, but the typical subspecies is not known in NM (Towner 1977).

Galpinsia hartwegii (Bentham) Britton

Oenothera hartwegii Bentham

hartwegii (Bentham) Raven subsp. *lavandulifolius* (Torrey & Gray) Towner & Raven = Calylophus lavandulifolius (Torrey & Gray) Raven

hartwegii (Bentham) Raven subsp. ***pubescens*** (Gray) Towner & Raven [M&H; W&S]

Hartweg's sundrops

Galpinsia camporum Wooton & Standley
Galpinsia lampsana (Buckley) Wooton & Standley
Oenothera greggii Gray
Oenothera greggii Gray var. *lampasana* (Buckley) Munz
Oenothera lampasana Buckley

hartwegii (Bentham) Raven subsp. *toumeyi* (Small) Towner & Raven = Calylophus toumeyi (Small) Towner

lavandulifolius (Torrey & Gray) Raven [M&H; Towner 1977; W&S]
lavender-leaf sundrops
Calylophus hartwegii (Bentham) Raven subsp. *lavandulifolius* (Torrey & Gray) Towner & Raven
Galpinsia lavandulifolia (Torrey & Gray) Small
Oenothera lavandulifolia Torrey & Gray
Oenothera lavandulifolia Torrey & Gray var. *glandulosa* Munz

serrulatus (Nuttall) Raven [M&H; W&S]
yellow sundrops
Meriolix serrulata (Nuttall) Walpers
Oenothera serrulata Nuttall

toumeyi (Small) Towner [M&H; Towner 1977; W&S]
Toumey's sundrops
Calylophus hartwegii (Bentham) Raven subsp. *toumeyi* (Small) Towner & Raven
Galpinsia toumeyi Small
Oenothera hartwegii Bentham var. *toumeyi* (Small) Munz

tubicula (Gray) Raven [M&H; W&S]
Texas sundrops
Galpinsia carlsbadiana A. Nelson
Galpinsia glandulifera A. Nelson
Galpinsia tubicula (Gray) Small
Oenothera tubicula Gray

Camissonia suncup

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*C. parvula, C. walkeri*]

Raven, P.H. 1969. A revision of the genus *Camissonia* (Onagraceae). Contrib. U.S. Nat. Herb. 37:161-396.

chamaenerioides (Gray) Raven [M&H; W&S]
fireweed suncup
Oenothera chamaenerioides Gray
Sphaerostigma chamaenerioides (Gray) Small

claviformis (Torrey & Fremont) Raven subsp. ***peeblesii*** (Munz) Raven [M&H]
brown-eyes
Oenothera claviformis Torrey & Fremont var. *peeblesii* Munz

multijuga (S. Watson) Raven = Camissonia walkeri (A. Nelson) Raven

parvula (Nuttal ex Torrey & Gray) Raven [Heil et al. 2002]
little suncup

refracta (S. Watson) Raven [M&H]
narrow-leaf suncup
Oenothera deserti M.E. Jones
Oenothera refracta S. Watson
Sphaerostigma deserti (M.E. Jones) Heller
Sphaerostigma refractum (S. Watson) Small

scapoidea (Nuttall ex Torrey & Gray) Raven subsp. ***scapoidea*** [M&H]
Paiute suncup
Oenothera scapoidea Nuttall ex Torrey & Gray

walkeri (A. Nelson) Raven [Heil et al. 2002]
Walker's suncup
Camissonia multijuga (S. Watson) Raven
Oenothera multijuga S. Watson var. *orientalis* Munz

Chamerion fireweed

Baum, D.A., K.J. Systsma, & P.C. Hoch. 1994. a phylogenetic analysis of *Epilobium* (Onagraceae) based on nuclear ribosomal DNA sequences. Syst. Bot. 19:363-388.

Chen, C.-j., P.C. Hoch, & P.H. Raven. 1992. Systematics of Epilobium (Onagraceae) in China. Syst. Bot. Monogr. 34.

Mosquin, T. 1966. A new taxonomy for *Epilobium angustifolium* L. (Onagraceae). Brittonia 18:167-188.

angustifolium (Linnaeus) Holub subsp. ***circumvagum*** Mosquin [M&H; W&S]
fireweed
Epilobium angustifolium Linnaeus var. *canescens* Wood
Epilobium angustifolium Linnaeus subsp. *circumvagum* Mosquin

Circaea enchanter's-nightshade

Boufford, D.E. 1982 (1983). The systematics and evolution of *Circaea* (Onagraceae). Ann. Missouri Bot. Gard. 69:804-994.

alpina Linnaeus subsp. ***alpina*** [M&H; W&S]
alpine enchanter's-nightshade

alpina Linnaeus subsp. ***pacifica*** (Ascherson & Magnus) Raven [M&H]
alpine enchanter's-nightshade

Epilobium willow-herb

Chen, C.-j., P.C. Hoch, & P.H. Raven. 1992. Systematics of Epilobium (Onagraceae) in China. Syst. Bot. Monogr. 34.

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*E. palustre*]

Raven, P.H. 1976. Generic and sectional delimitation in Onagraceae, tribe Epilobieae. Ann. Missouri Bot. Gard. 63:326-340.

Sivinski, R., T. Lowrey, & C. Keller. 1995[1996]. Additions to the floras of Colorado and New Mexico. Phytologia 79(5):319-324. [*Epilobium hornemanni* var. *lactiflorum*]

adenocaulon Haussknecht = Epilobium ciliatum Rafinesque

adenocaulon Haussknecht var. *parishii* (Trelease) Munz = Epilobium ciliatum Rafinesque

adenocaulon Haussknecht var. *perplexans* Trelease = Epilobium ciliatum Rafinesque

adenocladon (Haussknecht) Rydberg = Epilobium brachycarpum C. Presl

anagallidifolium Lamarck = Epilobium alpinum Linnaeus

alpinum Linnaeus [M&H; W&S]
alpine willow-herb
Epilobium anagallidifolium Lamarck

angustifolium Linnaeus var. *canescens* Wood = Chamerion angustifolium (Linnaeus) Holub subsp. circumvagum Mosquin

angustifolium Linnaeus subsp. *circumvagum* Mosquin = Chamerion angustifolium (Linnaeus) Holub subsp. circumvagum Mosquin

brachycarpum C. Presl [M&H; W&S]
annual willow-herb
Epilobium paniculatum Nuttall ex Torrey & Gray
Epilobium adenocladon (Haussknecht) Rydberg
Epilobium paniculatum Nuttall ex Torrey & Gray f. *adenocladon* Haussknecht
Epilobium paniculatum Nuttall ex Torrey & Gray f. *subulatum* Haussknecht

californicum Haussknecht = Epilobium ciliatum Rafinesque

canum (Greene) Raven var. ***latifolium*** (Hooker) N.H. Holmgren & P.K. Holmgren [M&H; W&S]
humingbird-trumpets
Zauschneria californica Presl subsp. *latifolia* (Hooker) Keck
Zauschneria arizonica A. Davidson
Zauschneria latifolia Greene var. *arizonica* (A. Davidson) Hilend

ciliatum Rafinesque [M&H; W&S]
fringed willow-herb
Epilobium adenocaulon Haussknecht
Epilobium adenocaulon Haussknecht var. *parishii* (Trelease) Munz
Epilobium adenocaulon Haussknecht var. *perplexans* Trelease
Epilobium californicum Haussknecht
Epilobium fendleri Haussknecht
Epilobium novomexicanum Haussknecht

drummondii Haussknecht = Epilobium saximontanum Houssknecht

fendleri Haussknecht = Epilobium ciliatum Rafinesque

halleanum Haussknecht [W&S]
glandular willow-herb

hornemannii Reichenbach var. ***hornemannii*** [M&H]
Hornemann's willow-herb

hornemannii Reichenbach var. ***lactiflorum*** (Haussknecht) D. Löve [Sivinski et al. 1995]
Hornemann's willow-herb
Epilobium lactiflorum Haussknecht

lactiflorum Haussknecht = Epilobium hornemannii Reichenbach var. lactiflorum (Haussknecht) D. Löve

leptophyllum Rafinesque [M&H; W&S]
bog willow-herb
Epilobium lineare sensu W&S

lineare sensu W&S = Epilobium leptophyllum Rafinesque

novomexicanum Haussknecht = Epilobium ciliatum Rafinesque

ovatifolium Rydberg = Epilobium saximontanum Haussknecht

palustre Linnaeus [Heil et al. 2002]
marsh willow-herb

paniculatum Nuttall ex Torrey & Gray = Epilobium brachycarpum C. Presl

paniculatum Nuttall ex Torrey & Gray f. *adenocladon* Haussknecht = Epilobium brachycarpum C. Presl

paniculatum Nuttall ex Torrey & Gray f. *subulatum* Haussknecht = Epilobium brachycarpum C. Presl

saximontanum Haussknecht [M&H]
Rocky Mountain willow-herb
Epilobium drummondii Haussknecht
Epilobium ovatifolium Rydberg

Galpinsia carlsbadiana Nelson = Calylophus tubicula (Gray) Raven

camporum Wooton & Standley = Calylophus hartwegii (Bentham) Raven subsp. pubescens (Gray) Towner & Raven

fendleri (Gray) Heller = Calylophus hartwegii (Bentham) Raven subsp. fendleri (Gray) Towner & Raven

filifolia (Eastwood) Wooton = Calylophys hartwegii (Bentham) Raven subsp. filifolius (Eastwood) Towner & Raven

glandulifera A. Nelson = Calylophus tubicula (Gray) Raven
hartwegii (Bentham) Britton = Calylophus hartwegii (Bentham) Raven subsp. hartwegii
lampsana (Buckley) Wooton & Standley = Calylophus hartwegii (Bentham) Raven subsp. pubescens (Gray) Towner & Raven
lavandulifolia (Torrey & Gray) Small = Calylophus lavandulfolius (Torrey & Gray) Raven
toumeyi Small = Calylophus toumeyi (Small) Towner
tubicula (Gray) Small = Calylophus tubicula (Gray) Raven

Gaura bee-blossom

Goodman, G.J. & C.A. Lawson. 1995. Retracing Major Stephen H. Long's 1820 Expedition. University of Oklahoma Press. [*Gaura mollis*]
Raven, P.H. & D.P. Gregory 1972. A revision of the genus *Gaura* (Onagraceae). Mem. Torrey Bot. Club 23:1-96.

australis Grisebach = Gaura mollis James
brassicacea Wooton & Standley = Gaura hexandra Ortega subsp. gracilis (Wooton & Standley) Raven & Gregory
cinerea Wooton & Standley = Gaura villosa Torrey subsp. villosa
coccinea Nuttall ex Pursh [M&H; W&S]
scarlet bee-blossom
Gaura coccinea Nuttall ex Pursh var. *arizonica* Munz
Gaura coccinea Nuttall ex Pursh var. *epilobioides* (Humboldt, Bonpland, & Kunth) Munz
Gaura coccinea Nuttall ex Pursh var. *glabra* (Lehmann) Torrey & Gray
Gaura coccinea Nuttall ex Pursh var. *parvifolia* (Torrey) Torrey & Gray
Gaura epilobioides Humboldt, Bonpland, & Kunth
Gaura glabra Lehmann
Gaura induta Wooton & Standley
Gaura linearis Wooton & Standley
Gaura parvifolia Torrey
coccinea Nuttall ex Pursh var. *arizonica* Munz = Gaura coccinea Nuttall ex Pursh
coccinea Nuttall ex Pursh var. *epilobioides* (Humboldt, Bonpland, & Kunth) Munz = Gaura coccinea Nuttall ex Pursh
coccinea Nuttall ex Pursh var. *glabra* (Lehmann) Torrey & Gray = Gaura coccinea Nuttall ex Pursh
coccinea Nuttall ex Pursh var. *parvifolia* (Torrey) Torrey & Gray = Gaura coccinea Nuttall ex Pursh
epilobioides Humboldt, Bonpland, & Kunth = Gaura coccinea Nuttall ex Pursh
glandulosa Wooton & Standley = Gaura hexandra Ortega subsp. gracilis (Wooton & Standley) Raven & Gregory
gracilis Wooton & Standley = Gaura hexandra Ortega subsp. gracilis (Wooton & Standley) Raven & Gregory
gracilis Wooton & Standley forma *glandulosa* Munz = Gaura hexandra Ortega subsp. gracilis (Wooton & Standley) Raven & Gregory
gracilis Wooton & Standley var. *typica* Munz = Gaura hexandra Ortega subsp. gracilis (Wooton & Standley) Raven & Gregory
hexandra Ortega subsp. ***gracilis*** (Wooton & Standley) Raven & Gregory [M&H; W&S]
harlequin-bush
Gaura brassicacea Wooton & Standley
Gaura glandulosa Wooton & Standley
Gaura gracilis Wooton & Standley
Gaura gracilis Wooton & Standley forma *glandulosa* Munz
Gaura gracilis Wooton & Standley var. *typica* Munz
Gaura podocarpa Wooton & Standley
Gaura strigillosa Wooton & Standley
induta Wooton & Standley = Gaura coccinea Nuttall ex Pursh
linearis Wooton & Standley = Gaura coccinea Nuttall ex Pursh
mollis James [M&H; W&S]
velvet-weed
Gaura australis Grisebach
Gaura parviflora Douglas ex Hooker var. *lachnocarpa* Weatherby
Gaura parviflora Douglas ex Hooker var. *parviflora*
Gaura parviflora Douglas ex Hooker var. *typica* Munz
Gaura parviflora Douglas ex Hooker var. *typica* Munz forma *glabra* Munz
nealleyi Coulter = Gaura suffulta Engelmann ex Gray subsp. nealleyi (Coulter) Raven & Gregory
neomexicana Wooton subsp. ***neomexicana*** [M&H; W&S]
New Mexico bee-blossom
parviflora Douglas ex Hooker = Gaura mollis James
parviflora Douglas ex Hooker var. *lachnocarpa* Weatherby = Gaura mollis James
parviflora Douglas ex Hooker var. *parviflora* = Gaura mollis James
parviflora Douglas ex Hooker var. *typica* Munz = Gaura mollis James
parviflora Douglas ex Hooker var. *typica* Munz forma *glabra* Munz = Gaura mollis James
parvifolia Torrey = Gaura coccinea Nuttall ex Pursh
podocarpa Wooton & Standley = Gaura hexandra Ortega subsp. gracilis (Wooton & Standley) Raven & Gregory
strigillosa Wooton & Standley = Gaura hexandra Ortega subsp. gracilis (Wooton & Standley) Raven & Gregory
suffulta Engelmann ex Gray subsp. ***nealleyi*** (Coulter) Raven & Gregory [M&H]
Nealley's bee-blossom
Gaura nealleyi Coulter
villosa Torrey subsp. ***villosa*** [M&H; W&S]
wooly bee-blossom
Gaura cinerea Wooton & Standley
Gaura villosa Torrey var. *arenicola* Munz
villosa Torrey var. *arenicola* Munz = Gaura villosa Torrey subsp. villosa

Gaurella canescens (Torrey & Fremont) A. Nelson = Oenothera canescens Torrey & Fremont
guttulata Small = Oenothera canescens Torrey & Fremont

Gayophytum ground-smoke

Lewis, H. & J. Szweykowski. 1964. The genus *Gayophytum* (Onagraceae). Brittonia 16:343-391.

diffusum Torrey & Gray var. ***strictipes*** (Hooker) Dorn [M&H; W&S]
spreading ground-smoke
Gayophytum diffusum Torrey & Gray subsp. *parviflorum* Lewis & Szweykowski
Gayophytum intermedium Rydberg
Gayophytum nuttallii Torrey & Gray var. *intermedium* (Rydberg) Munz
diffusum Torrey & Gray subsp. *parviflorum* Lewis & Szweykowski = Gayophytum diffusum Torrey & Gray var. strictipes (Hooker) Dorn
intermedium Rydberg = Gayophytum diffusum Torrey & Gray var. strictipes (Hooker) Dorn
nuttallii Torrey & Gray var. *intermedium* (Rydberg) Munz = Gayophytum diffusum Torrey & Gray var. strictipes (Hooker) Dorn
ramosissimum Torrey & Gray [M&H; W&S]
piñon ground-smoke

Hartmannia rosea (Aiton) G. Don = Oenothera rosea Aiton
speciosa (Nuttall) Small = Oenothera speciosa Nuttall
Jussiaea repens Linnaeus var. *glabrescens* Kuntze = Ludwigia peploides (Humboldt, Bonpland, & Kunth) Raven subsp. peploides
repens Linnaeus var. *peploides* (Humboldt, Bonpland, & Kunth) Grisebach = Ludwigia peploides (Humboldt, Bonpland, & Kunth) Raven subsp. peploides
Lavauxia brachycarpa (Gray) Britton = Oenothera brachycarpa Gray
flava A. Nelson = Oenothera flava (A. Nelson) Garrett
hamata Wooton & Standley = Oenothera flava (A. Nelson) Garrett
primiveris (Gray) Small = Oenothera primiveris Gray subsp. primiveris
taraxacoides Wooton & Standley = Oenothera flava (A. Nelson) Garrett subsp. *taraxacoides* (Wooton & Standley) W.L. Wagner
wrightii Small = Oenothera brachycarpa Gray

Ludwigia primrose-willow

Peng, C.-I. 1988. The biosystematics of *Ludwigia* sect. *Microcarpium* (Onagraceae). Ann. Missouri Bot. Gard. 75:970-1009.
Peng, C.-I. 1989. The systematics and evolution of *Ludwigia* sect. *Microcarpium* (Onagraceae). Ann. Missouri Bot. Gard. 76:221-302.
Peng, C.-I., C.L. Schmidt, P.C. Hoch, & P.H. Raven. 2005. Systematics and evolution of *Ludwigia* section *Dantia* (Onagraceae). Ann. Missouri Bot. Gard. 92(3):307-359.
Ramamoorthy, T.P. & E.M. Zardini. 1987. The systematics and evolution of *Ludwigia* sect. *Myrtocarpus* sensu lato (Onagraceae). Monogr. Syst. Bot. Missouri Bot. Gard. 19:1-120.

natans Elliott = Ludwigia repens J.R. forster
palustris (Linnaeus) Elliott [M&H]
marsh primrose-willow
peploides (Humboldt, Bonpland, & Kunth) Raven subsp. ***peploides*** [M&H]
floating primrose-willow
Jussiaea repens Linnaeus var. *glabrescens* Kuntze
Jussiaea repens Linnaeus var. *peploides* (Humboldt, Bonpland, & Kunth) Grisebach
repens J.R. Forster [M&H; Peng et al. 2005]
creeping primrose-willow
Ludwigia natans Elliott
Ludwigia repens J.R. Forster var. rotundata (Grisebach) Gomes
repens J.R. Forster var. rotundata (Grisebach) Gomes = Ludwigia repens J.R. Forster

Meriolix serrulata (Nuttall) Walpers = Calyophus serrulatus (Nuttall) Raven

Oenothera evening-primrose

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Oenothera pallida*]
Dietrich, W., P.H. Raven, & W.L. Wagner. 1985. Revision of *Oenothera* sect. *Oenothera* subsect. *Emersonia* (Onagraceae). Syst. Bot. 10(1):29-48.
Dietrich, W. & W.L. Wagner. 1987. A new combination and new subspecies in *Oenothera elata* Kunth (Onagraceae). Ann. Missouri Bot. Gard. 74:151-152.
Dietrich, W. & W.L. Wagner. 1988. Systematics of *Oenothera* section *Oenothera* subsection *Raimannia* and subsection *Nutantigemma* (Onagraceae). Syst. Bot. Monogr. 24:1-91.
Dietrich, W., W.L. Wagner, & P.H. Raven. 1997. Systematics of *Oenothera* Section *Oenothera* Subsection *Oenothera* (Onagraceae). Syst. Bot. Monogr. 50.
Great Plains Flora Association. 1977. Atlas of the Flora of the Great Plains. Iowa State Univ. Press. 600 pp. [*Oenothera triloba*]
Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*O. caespitosa caespitosa*]
Wagner, W.L. 1983. New species and combinations in the genus *Oenothera* (Onagraceae). Ann. Missouri Bot. Gard. 70:194-196.
Wagner, W.L. 1984. Reconsideration of *Oenothera* subg. *Gauropsis* (Onagraceae). Ann. Missouri Bot. Gard. 71:1114-1127.
Wagner, W.L. 1986. New Taxa in *Oenothera* (Onagraceae). Ann. Missouri Bot. Gard. 73:475-480.
Wagner, W.L., R.E. Stockhouse, & W.M. Klein. 1985. The systematics and evolution of the *Oenothera caespitosa* species complex (Onagraceae). Missouri Bot. Gard. Monogr. Syst. Bot. 12:1-103.
Worthington, R.D. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Oenothera triloba*]

albicaulis Pursh [M&H; W&S]
white-stem evening-primrose
Anogra albicaulis (Pursh) Britton
Anogra ctenophylla Wooton & Standley
Oenothera ctenophylla (Wooton & Standley) Tidestrom
albicaulis Pursh var. *gypsophila* Eastwood = Oenothera pallida Lindley subsp. runcinata (Engelmann) Munz & Klein
amplexicaulis Wooton & Standley = Oenothera pubescens Willdenow ex Sprengel
australis (Wooton & Standley) Tidestrom = Oenothera brachycarpa Gray
****biennis*** Linnaeus [M&H]
king's cure-all

Oenothera biennis Linnaeus subsp. *centralis* Munz

biennis Linnaeus subsp. *centralis* Munz = Oenothera biennis Linnaeus

brachycarpa Gray [M&H; W&S]

desert evening-primrose

Lavauxia brachycarpa (Gray) Britton

Lavauxia wrightii (Gray) Small

Oenothera brachycarpa Gray var. *wrightii* (Gray) Leveille

Oenothera caespitosa Nuttall ex Fraser subsp. *australis* (Wooton & Standley) Munz

Oenothera caespitosa Nuttall ex Fraser var. *australis* (Wooton & Standley) Munz

Oenothera australis (Wooton & Standley) Tidestrom

Oenothera wrightii Gray

Pachylophus australis Wooton & Standley

caespitosa Nuttall ex Fraser subsp. *australis* (Wooton & Standley) Munz = Oenothera brachycarpa Gray

caespitosa Nuttall ex Fraser subsp. *eximia* (Gray) Munz = Oenothera caespitosa Nuttall subsp. marginata (Nuttall) Munz

caespitosa Nuttall ex Fraser subsp. ***caespitosa*** [Heil et al. 2002]

tufted evening-primrose

Oenothera caespitosa Nuttall ex Fraser var. *montana* (Nuttall) Durand

Pachylophus montanus (Nuttall) Rydberg

caespitosa Nuttall ex Fraser subsp. ***macroglottis*** (Rydberg) W.L. Wagner, Stockhouse, & Klein [Wagner et al. 1985; W&S]

tufted evening-primrose

Pachylophus hirsutus Rydberg

Pachylophus macroglottis Rydberg

caespitosa Nuttall ex Fraser subsp. ***marginata*** (Nuttall ex Hooker & Arnott) Munz [M&H; W&S]

tufted evening-primrose

Oenothera caespitosa Nuttall ex Fraser subsp. *eximia* (Gray) Munz

Oenothera caespitosa Nuttall ex Fraser var. *eximia* (Gray) Munz

Oenothera caespitosa Nuttall ex Fraser var. *marginata* (Nuttall ex Hooker & Arnott) Durand

Oenothera eximia Gray

Pachylophus eximius (Gray) Wooton & Standley

Pachylophus marginatus (Nuttall ex Hooker & Arnott) Rydberg

caespitosa Nuttall ex Fraser var. *eximia* (Gray) Munz = Oenothera caespitosa Nuttall ex Fraser subsp. marginata (Nuttall ex Hooker & Arnott) Munz

caespitosa Nuttall ex Fraser var. *marginata* (Nuttall ex Hooker & Arnott) Durand = Oenothera caespitosa Nuttall ex Fraser subsp. marginata (Nuttall ex Hooker & Arnott) Munz

caespitosa Nuttall ex Fraser subsp. *montana* (Nuttall) Munz = Oenothera caespitosa Nuttall ex Fraser subsp. caespitosa

caespitosa Nuttall ex Fraser subsp. ***navajoensis*** W.L. Wagner, Stockhouse, & Klein [Wagner et al. 1985; W&S]

Navajo evening-primrose

Pachylophus caulescens Rydberg

canescens Torrey & Fremont [M&H; W&S]

spotted evening-primrose

Gaurella canescens (Torrey & Fremont) A. Nelson

Gaurella guttulata Small

chamaenerioides Gray = Camissonia chamaenerioides (Gray) Raven

claviformis Torrey & Fremont var. *peeblesii* Munz = Camissonia claviformis (Torrey & Fremont) Raven subsp. peeblesii (Munz) Raven

coronopifolia Torrey & Gray [M&H; W&S]

hairy-throat evening-primrose

Anogra coronopifolia (Torrey & Gray) Britton

ctenophylla (Wooton & Standley) Tidestrom = Oenothera albicaulis Pursh

deserti M.E. Jones = Camissonia refracta (S. Watson) Raven

elata Kunth subsp. ***hirsutissima*** (A. Gray ex S. Watson) Dietrich [Dietrich et al. 1997; M&H; W&S]

Hooker's evening-primrose

Onagra guttata ined.

Oenothera hirsutissima (Gray) Rydberg

Oenothera hookeri Torrey & Gray subsp. *angustifolia* (Gates) Munz

Oenothera hookeri Torrey & Gray var. *angustifolia* Gates

Oenothera hookeri Torrey & Gray subsp. *hewittii* Cockerell

Oenothera hookeri Torrey & Gray subsp. *hirsutissima* (Gray) Munz

Oenothera irrigua Wooton & Standley

eximia Gray = Oenothera caespitosa Nuttall ex Fraser subsp. marginata (Nuttall ex Hooker & Arnott) Munz

engelmannii (Small) Munz [M&H; W&S]

Engelmann's evening-primrose

Anogra engelmannii (Small) Wooton & Standley

filifolia (Eastwood) Tidestrom = Calylophus hartwegii (Bentham) Raven subsp. filifolius (Eastwood) Towner & Raven

flava (A. Nelson) Garrett subsp. ***flava*** [M&H; W&S]

long-tube evening-primrose

Lavauxia flava A. Nelson

Lavauxia hamata Wooton & Standley

Oenothera hamata (Wooton & Standley) Tidestrom

flava (A. Nelson) Garrett subsp. ***taraxacoides*** (Wooton & Standley) W.L. Wagner [M&H; Wagner 1986; W&S]

long-tube evening-primrose

Lavauxia taraxacoides Wooton & Standley

Oenothera taraxacoides (Wooton & Standley) Munz

grandis (Britton) Smyth [M&H]

showy evening-primrose

Oenothera laciniata Hill var. *grandiflora* (S. Watson) Robinson

greggii Gray = Calylophus hartwegii (Betham) Raven subsp. pubescens (Gray) Towner & Raven

greggii Gray var. *lampasana* (Buckley) Munz = Calylophus hartwegii (Betham) Raven subsp. pubescens (Gray) Towner & Raven

hamata (Wooton & Standley) Tidestrom = Oenothera flava (A. Nelson) Garrett subsp. flava

hartwegii Bentham s.s. = Calylophus hartwegii (Bentham) Raven

hartwegii Bentham var. *fendleri* Gray = Calylophus hartwegii (Bentham) Raven subsp. fendleri (Gray) Towner & Raven

hartwegii Bentham var. *tourmeyi* (Small) Munz = Calylophus toumeyi (Small) Towner

hirsutissima (Gray) Rydberg = Oenothera elata Kunth subsp. hirsutissima (A. Gray ex S. Watson) W. Dietrich

hookeri Torrey & Gray subsp. *angustifolia* (Gates) Munz = Oenothera elata Kunth subsp. hirsutissima (A. Gray ex S. Watson) W. Dietrich

hookeri Torrey & Gray var. *angustifolia* Gates = Oenothera elata Kunth subsp. hirsutissima (A. Gray ex S. Watson) W. Dietrich

hookeri Torrey & Gray subsp. *hewittii* Cockerell = Oenothera elata Kunth subsp. hirsutissima (A. Gray ex S. Watson) W. Dietrich

hookeri Torrey & Gray subsp. *hirsutissima* (Gray) Munz = Oenothera elata Kunth subsp. hirsutissima (A. Gray ex S. Watson) W. Dietrich

irrigua Wooton & Standley = Oenothera elata Kunth subsp. hirsutissima (A. Gray ex S. Watson) W. Dietrich

jamesii Torrey & Gray : Reported as expected by M&H; awaits verification.

kunthiana (Spach) Munz : Reported as expected by M&H; awaits verification.

Hartmannia kunthiana Spach

laciniata Hill [M&H; W&S]

cut-leaf evening-primrose

Oenothera laciniata Hill var. *mexicana* Small

Oenothera mexicana Spach

Raimannia laciniata (Hill) Rose

Raimannia mexicana (Spach) Wooton & Standley

laciniata Hill var. *grandiflora* (S. Watson) Robinson = Oenothera grandis (Britton) Smyth

laciniata Hill var. *mexicana* Small = Oenothera laciniata Hill

laciniata Hill subsp. *pubescens* (Willdenow ex Sprengel) Munz = Oenothera pubescens Willdenow ex Sprengel

laciniata Hill subsp. *pubescens* (Willdenow ex Sprengel) Munz = Oenothera pubescens Willdenow ex Sprengel

latifolia (Rybd.) Munz = Oenothera pallida Lindley subsp. latifolia (Rydberg) Munz

lavandulifolia Torrey & Gray = Calylophus lavandulifolius (Torrey & Gray) Raven

lavandulifolia Torrey & Gray var. *glandulosa* Munz = Calylophus lavandulifolius (Torrey & Gray) Raven

longissima Rydberg subsp. ***longissima*** [M&H]

long-stem evening-primrose

macrosiphon Wooton & Standley = Oenothera organensis Munz

mexicana Spach = Oenothera laciniata Hill

multijuga S. Watson var. *orientalis* Munz = Camissonia walkeri (A. Nelson) Raven

neomexicana (Small) Munz [M&H; W&S]

New Mexico evening-primrose

Anogra neomexicana Small

+organensis Munz [M&H; W&S]

Organ Mountain evening-primrose

Oenothera macrosiphon Wooton & Standley

pallida Lindley subsp. ***latifolia*** (Rydberg) Munz [M&H; W&S]

pale evening-primrose

Anogra latifolia Rydberg

Oenothera latifolia (Rybd.) Munz

pallida Lindley subsp. ***pallida*** [M&H; W&S]

pale evening-primrose

Anogra pallida (Lindley) Britton

pallida Lindley subsp. ***runcinata*** (Engelmann) Munz & Klein [M&H; W&S]

pale evening-primrose

Anogra albicaulis Britton var. *runcinata* Engelmann

Anogra gypsophila (Eastwood) Heller

Anogra leucotricha Wooton & Standley

Anogra pallida (Lindley) Britton var. *runcinata* (Engelmann) Small

Anogra runcinata (Engelmann) Wooton & Standley

Oenothera albicaulis Pursh var. *gypsophila* Eastwood

Oenothera runcinata (Engelmann) Munz

Oenothera runcinata (Engelmann) Munz var. *brevifolia* (Engelmann) Munz

Oenothera runcinata (Engelmann) Munz var. *gypsophila* (Eastwood) Munz

Oenothera runcinata (Engelmann) Munz var. *leucotricha* (Wooton & Standley) Standley

pallida Lindley subsp. ***trichocalyx*** (Nuttall ex Torrey & Gray) Munz & Klein [Allred 1999]

pale evening-primrose
Oenothera trichocalyx Nuttall ex Torrey & Gray
primiveris Gray subsp. ***primiveris*** [M&H; W&S]
early evening-primrose
Lavauxia primiveris (Gray) Small
procera Wooton & Standley = Oenothera villosa Thunberg subsp. strigosa (Rydberg) W. Dietrich & P.H. Raven
pubescens Willdenow ex Sprengel [Dietrich & Wagner 1988; M&H]
South American evening-primrose
Anogra amplexicaulis (Wooton & Standley) Tidestrom
Oenothera amplexicaulis Wooton & Standley
Oenothera laciniata Hill subsp. *pubescens* (Willdenow ex Sprengel) Munz
Oenothera laciniata Hill var. *pubescens* (Willdenow ex Sprengel) Munz
refracta S. Watson = Camissonia refracta (S. Watson) Raven
rhombipetala Nuttall ex Torrey & Gray [Dietrich & Wagner 1988]
four-points evening-primrose
rosea L'Héretier ex Aiton [M&H; W&S]
rose evening-primrose
Hartmannia rosea (Aiton) G. Don
runcinata (Engelmann) Munz = Oenothera pallida Lindley subsp. runcinata (Engelmann) Munz & Klein
runcinata (Engelmann) Munz var. *brevifolia* (Engelmann) Munz = Oenothera pallida Lindley subsp. runcinata (Engelmann) Munz & Klein
runcinata (Engelmann) Munz var. *gypsophila* (Eastwood) Munz = Oenothera pallida Lindley subsp. runcinata (Engelmann) Munz & Klein
runcinata (Engelmann) Munz var. *leucotricha* (Wooton & Standley) Standley = Oenothera pallida Lindley subsp. runcinata (Engelmann) Munz & Klein
scapoidea Nuttall ex Torrey & Gray = Camissonia scapoidea (Nuttall ex Torrey & Gray) Raven subsp. scapoidea
serrulata Nuttall = Calylophus serrulatus (Nuttall) Raven
speciosa Nuttall [M&H; W&S]
pink-ladies
Hartmannia speciosa (Nuttall) Small
strigosa (Rydberg) Mackenzie & Bush = Oenothera villosa Thunberg subsp. strigosa (Rydberg) W. Dietrich & P.H. Raven
taraxacoides (Wooton & Standley) Munz = Oenothera flava (A. Nelson) Garrett subsp. taraxacoides (Wooton & Standley) W.L. Wagner
trichocalyx Nuttall ex Torrey & Gray = Oenothera pallida Lindley subsp. trichocalyx (Nuttall ex Torrey & Gray) Munz & Klein
triloba Nuttall [Great Plains Flora Association 1977; Worthington 2000]
stemless evening-primrose
tubicula Gray = Calylophus tubicula (Gray) Raven
tubicula Gray var. *filifolia* Eastwood = Calylophus hartwegii (Bentham) Raven subsp. filifolius (Eastwood) Towner & Raven
villosa Thunberg subsp. ***strigosa*** (Rydberg) W. Dietrich & P.H. Raven [Dietrich et al. 1997; M&H; W&S]
hairy evening-primrose
Oenothera procera Wooton & Standley
Oenothera strigosa (Rydberg) Mackenzie & Bush
wrightii Gray = Oenothera brachycarpa Gray
Onagra guttata "Greene" : This name was never validly published, though it was attributed to Greene; plants called this are referred to Oenothera elata Kunth subsp. hirsutissima (A. Gray ex S. Watson) W. Dietrich (Dietrich et al. 1997).
Pachylophus australis Wooton & Standley = Oenothera brachycarpa Gray
caulescens Rydberg = Oenothera caespitosa Nuttall subsp. navajoensis W.L. Wagner, Stockhouse, & Klein
eximius (Gray) Wooton & Standley = Oenothera caespitosa Nuttall subsp. marginata (Nuttall) Munz
hirsutus Rydberg = Oenothera caespitosa Nuttall subsp. macroglottis (Rydberg) W.L. Wagner, Stockhouse, & Klein
macroglottis Rydberg = Oenothera caespitosa Nuttall subsp. macroglottis (Rydberg) W.L. Wagner, Stockhouse, & Klein
marginatus (Nuttall ex Hooker & Arnott) Rydberg = Oenothera caespitosa Nuttall subsp. marginata (Nuttall ex Hooker & Arnott) Munz
Pachylophus montanus (Nuttall) Rydberg = Oenothera caespitosa Nuttall subsp. subsp. caespitosa
Raimannia laciniata (Hill) Rose = Oenothera laciniata Hill
mexicana (Spach) Wooton & Standley = Oenothera laciniata Hill
Sphaerostigma chamaenerioides (Gray) Small = Camissonia chamaenerioides (Gray) Raven
deserti (M.E. Jones) Heller = Camissonia refracta (S. Watson) Raven
refractum (S. Watson) Small = Camissonia refracta (S. Watson) Raven

Stenosiphon false-gaura

Sublette, M. 1980. A record of *Stenosiphon linifolius* (Nutt.) Heynh. (Onagraceae) from New Mexico. Southwest. Nat. 25(1): 103.

linifolius (Nuttall ex James) Heynhold [M&H; Sublette 1980]
false-gaura

Zauschneria arizonica A. Davidson = Epilobium canum (Greene) Raven var. latifolium (Hooker) N.H. Holmgren & P.K. Holmgren
californica Presl subsp. *latifolia* (Hooker) Keck = Epilobium canum (Greene) Raven var. latifolium (Hooker) N.H. Holmgren & P.K. Holmgren
latifolia Greene var. *arizonica* (A. Davidson) Hilend = Epilobium canum (Greene) Raven var. latifolium (Hooker) N.H. Holmgren & P.K. Holmgren

Family OROBANCHACEAE

Aphyllon arenosa Suksdorf = Orobanche ludoviciana Nuttall subsp. ludoviciana

Conopholis Indian-root

Haynes, R.R. 1969. *Conopholis alpina* Liebmann var. *mexicana* (Gray ex Watson) Haynes, comb. nov. Sida 3:347.

alpina Leibman var. ***mexicana*** (Gray ex S. Watson) Haynes [Haynes 1969; M&H; W&S]
Mexican Indian-root
Conopholis mexicana Gray ex S. Watson
Orobanche multiflora Nuttall var. *xanthochroa* (A. Nelson & Cockerell) Munz
Orobanche xanthochroa A. Nelson & Cockerell
mexicana Gray ex S. Watson = Conopholis alpina Leibman var. mexicana (Gray ex S. Watson) Haynes
Myzorrhiza ludoviciana (Nuttall) Rydberg = Orobanche ludoviciana Nuttall
multiflora (Nuttall) Rydberg = Orobanche ludoviciana Nuttall subsp. multiflora (Nuttall) Collins

Orobanche broom-rape

Achey, D.M. 1933. A revision of the section *Gymnocaulis* of the genus *Orobanche*. Bull. Torrey Bot. Club 60:441-451.
Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*O. corymbosa*]
Munz, P.A. 1931. The North American species of *Orobanche*, section *Myzorrhiza*. Bull. Torrey Bot. Club 57:611-624.
White, H.L. & W.C. Holmes. 2001. Validation of the name *Orobanche ludoviciana* subsp. *multiflora* (Orobanchaceae). Sida 19(3):623-624.

cooperi (Gray) Heller subsp. ***cooperi*** [M&H]
desert broom-rape
Orobanche ludoviciana Nuttall var. *cooperi* (Gray) G. Beck
Orobanche ludoviciana Nuttall var. *latiloba* Munz
corymbosa (Rydberg) Ferris [Heil et al. 2002]
flat-top broom-rape
fasciculata Nuttall [M&H; W&S]
clustered broom-rape
Orobanche fasciculata Nuttall var. *lutea* (Parry) Achey
Thalesia fasciculata (Nuttall) Britton
Thalesia lutea (Parry) Rydberg
fasciculata Nuttall var. *lutea* (Parry) Achey = Orobanche fasciculata Nuttall
ludoviciana Nuttall var. *arenosa* (Suksdorf) Cronquist = Orobanche ludoviciana Nuttall subsp. ludoviciana
ludoviciana Nuttall var. *cooperi* (Gray) G. Beck = Orobanche cooperi (Gray) Heller
ludoviciana Nuttall var. *latiloba* Munz = Orobanche cooperi (Gray) Heller
ludoviciana Nuttall subsp. ***ludoviciana*** [M&H; W&S]
Louisiana broom-rape
Aphyllon arenosa Suksdorf
Orobanche multiflora Nuttall var. *arenosa* (Suksdorf) Munz
Myzorrhiza ludoviciana (Nuttall) Rydberg
ludoviciana Nuttall subsp. ***multiflora*** (Nuttall) Collins ex H.L. White & W.C. Holmes [M&H; W&S]
Louisiana broom-rape
Myzorrhiza multiflora (Nuttall) Rydberg
Orobanche multiflora Nuttall
multicaulis Brandeg. : Reported without documentation by Kartesz (1999); awaits verification.
multiflora Nuttall = Orobanche ludoviciana Nuttall subsp. multiflora (Nuttall) Collins
multiflora Nuttall var. *arenosa* (Suksdorf) Munz = Orobanche ludoviciana Nuttall subsp. ludoviciana
multiflora Nuttall var. *xanthochroa* (A. Nelson & Cockerell) Munz = Conopholis alpina Leibman var. mexicana (Gray ex S. Watson) Haynes
uniflora Linnaeus [M&H]
naked broom-rape
xanthochroa A. Nelson & Cockerell = Conopholus alpina Leibman var. mexicana (Gray ex S. Watson) Haynes
Thalesia fasciculata (Nuttall) Britton = Orobanche fasciculata Nuttall
lutea (Parry) Rydberg = Orobanche fasciculata Nuttall

Family OXALIDACEAE

Ionoxalis amplifolia (Trelease) Rose = Oxalis latifolia Trelease
caerulea Small = Oxalis caerulea (Small) Knuth
grayi Rose = Oxalis decaphylla Humboldt, Bonpland, & Kunth
metcalfei Small = Oxalis alpina (Rose) Knuth
monticola Small = Oxalis alpina (Rose) Knuth
violacea (Linnaeus) Small = Oxalis violacea Linnaeus

Oxalis wood-sorrel

Denton, M.F. 1973. A monograph of *Oxalis*, section *Inoxalis* (Oxalidaceae) in North America. Publ. of the Museum, Michigan State University Biological Series 4(10):455-615.
Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Oxalis corniculata* var. *pilosa*]
Turner, B.L. 1994. Regional variation in the North American elements of *Oxalis corniculata* (Oxalidaceae). Phytologia 77(1):1-7.

albicans Humboldt, Bonpland, & Kunth = Oxalis corniculata Linnaeus var. wrightii (A. Gray) B.L. Turner [Turner 1994]
alpina (Rose) Rose ex Knuth [Denton 1973; M&H; W&S]
alpine wood-sorrel
Ionoxalis metcalfei Small
Ionoxalis monticola Small
Oxalis bulbosa A. Nelson
Oxalis metcalfei (Small) Knuth
Oxalis monticola Small

amplifolia (Trelease) Knuth = Oxalis latifolia Trelease
bulbosa A. Nelson = Oxalis alpina (Rose) Rose ex Knuth
caerulea (Small) Knuth [Denton 1973; W&S]
blue wood-sorrel
Ionoxalis caerulea Small
corniculata Linnaeus var. ***pilosa*** (Nuttall ex Torrey & Gray) B.L. Turner [Spellenberg et al. 1986; Turner 1994]
yellow wood-sorrel
Oxalis pilosa Nuttall
corniculata Linnaeus var. ***wrightii*** (A. Gray) B.L. Turner [M&H; Turner 1994; W&S]
Wright's yellow wood-sorrel
Oxalis albicans Humboldt, Bonpland, & Kunth
Oxalis stricta sensu NM authors, not Linnaeus
Oxalis wrightii Gray
Xanthoxalis albicans (Humboldt, Bonpland, & Kunth) Small
Xanthoxalis wrightii (Gray) Abrams
decaphylla Humboldt, Bonpland, & Kunth [Denton 1973; M&H; W&S]
ten-leaf wood-sorrel
Ionoxalis grayi Rose
Oxalis grayi (Rose) Knuth
dillenii Jacquin [=Oxalis stricta Linnaeus] : Reported by M&H, but this material referred to Oxalis corniculata Linnaeus var. wrightii (A. Gray) B.L. Turner; Oxalis stricta Linnaeus not known from NM fide Turner (1994).
divergens Bentham var. *amplifolia* Trelease = Oxalis latifolia Trelease
grayi (Rose) Knuth = Oxalis decaphylla Humboldt, Bonpland, & Kunth
latifolia Trelease [Denton 1973; M&H; W&S]
broad-leaf wood-sorrel
Oxalis amplifolia (Trelease) Knuth
Oxalis divergens Bentham var. *amplifolia* Trelease
Ionoxalis amplifolia (Trelease) Rose
metcalfei (Small) Knuth = Oxalis alpina (Rose) Knuth
monticola Small = Oxalis alpina (Rose) Knuth
pilosa Nuttall = Oxalis corniculata Linnaeus var. pilosa (Nuttall ex Torrey & Gray) B.L. Turner
stricta sensu NM authors, not Linnaeus = Oxalis corniculata Linnaeus var. wrightii (A. Gray) B.L. Turner
violacea Linnaeus [Denton 1973; M&H; W&S]
violet wood-sorrel
Ionoxalis violacea (Linnaeus) Small
wrightii Gray = Oxalis corniculata Linnaeus var. wrightii (A. Gray) B.L. Turner
Xanthoxalis albicans (Humboldt, Bonpland, & Kunth) Small = Oxalis albicans Humboldt, Bonpland, & Kunth
stricta sensu NM authors, not (Linnaeus) Small = Oxalis corniculata Linnaeus var. wrightii (A. Gray) B.L. Turner
wrightii (Gray) Abrams = Oxalis corniculata Linnaeus var. wrightii (A. Gray) B.L. Turner

Family PAPAVERACEAE

Argemone prickly-poppy
Ownbey, G.B. 1958. Monograph of the genus *Argemone* for North America and the West Indies. Mem. Torrey Bot. Club 21(1):1-159.
Ownbey, G.B. 1997. *Argemone*, pp. 314-322. IN: Flora of North America, vol. 3. Oxford University Press.
Schwarzbach, A.E. & J.W. Kadereit. 1999. Phylogeny of prickly poppies, *Argemone* (Papaveraceae), and the evolution of morphological and alkaloid characters based on ITS nrDNA sequence variation. Plant Syst. Evol. 218:257-279.
aenea G.B. Ownbey : Reported by Kartesz (1999) without documentation; awaits verification.
hispida Gray [Ownbey 1997; M&H; W&S]
rough prickly-poppy
Argemone platyceras Link & Otto
intermedia Sweet = Argemone polyanthemos (Fedde) G. Ownbey
intermedia Sweet var. *polyanthemos* Fedde = Argemone polyanthemos (Fedde) G. Ownbey
platyceras Link & Otto = Argemone hispida Gray
+pleiacantha Greene subsp. ***pinnatisecta*** G. Ownbey [Ownbey 1997; M&H]
Sacramento prickly-poppy
pleiacantha Greene subsp. ***pleiacantha*** [Ownbey 1997; M&H]
southwestern prickly-poppy
polyanthemos (Fedde) G. Ownbey [Ownbey 1997; M&H; W&S]
white prickly-poppy
Argemone intermedia Sweet
Argemone intermedia Sweet var. *polyanthemos* Fedde
squarrosa Greene subsp. ***glabrata*** G. Ownbey [Ownbey 1997; M&H]
hedgehog prickly-poppy
squarrosa Greene subsp. ***squarrosa*** [M&H; Ownbey 1997; W&S]
hedgehog prickly-poppy
Eschscholtzia poppy
Clark, C. 1978. Systematic studies of *Eschscholtzia* (Papaveraceae). I. The origin and affinities of *E. mexicana*. Syst. Bot. 3(4):374-385.

californica Chamisso subsp. ***mexicana*** (Greene) C. Clark [M&H; W&S]
Mexican poppy
Eschscholtzia mexicana Greene
Eschscholtzia parvula (Gray) Cockerell
mexicana Greene = Eschscholtzia californica Chamisso subsp. mexicana (Greene) C. Clark
parvula (Gray) Cockerell = Eschscholtzia californica Chamisso subsp. mexicana (Greene) C. Clark

Papaver poppy

Kiger, R.W. & D.F. Murray. 1997. *Papaver*, pp. 323-333. IN: Flora of North America, vol. 3. Oxford University Press.
Spellenberg, R., L. McIntosh, and L. Brouillet. 1993. New records of angiosperms from southern New Mexico. Phytologia 75:224-230. [*Papaver somniferum*]

coloradense Fedde = Papaver radicatum Rottboell var. kluanensis (Löve) Murray
kluanensis D.Löve= Papaver radicatum Rottboell var. kluanensis (Löve) Murray
radicatum Rottboell var. ***kluanensis*** (Löve) Murray [Kiger & Murray 1997; M&H; W&S]
arctic poppy
Papaver coloradense Fedde
Papaver kluanensis D.Löve
nudicaule Linnaeus var. radicatum (Rottboell) A.P. de Candolle [=Papaver radicatum Rottboell subsp. radicatum] : Reported as expected by M&H map, but Kiger & Murray (1997) restrict this taxon to polar regions at the northernmost latitudes.
****rhoeas*** Linnaeus [Kiger & Murray 1997; Spellenberg et al. 1993]
corn poppy
****somniferum*** Linnaeus [Kiger & Murray 1997; M&H; W&S]
opium poppy

Family PARNASSIACEAE

Morgan, D.R. & D.E. Soltis. 1993. Phylogenetic relationships among members of Saxifragaceae sensu lato based on *rbc*L sequence data. Ann. Missouri Bot. Gard. 80:631-660.

Parnassia grass-of-Parnassus
fimbriata Konig [M&H; W&S]
fringed grass-of-Parnassus
palustris Linnaeus var. ***montanensis*** (Fernald & Rydberg ex Rydberg) C.L. Hitchcock [M&H; W&S]
marshy grass-of-Parnassus
Parnassia parviflora sensu NM authors
parviflora sensu NM authors = Parnassia palustris Linnaeus var. montanensis (Fernald & Rydberg ex Rydberg) C.L. Hitchcock

Family PASSIFLORACEAE

Passiflora passionflower
tenuiloba Engelmann [M&H]
passionflower

Family PEDALIACEAE

[Martyniaceae]

Martynia altheaifolia Bentham = Proboscidea altheaifolia (Bentham) Decaisne
arenaria Engelmann = Proboscidea altheaifolia (Bentham) Decaisne
louisianica Miller = Proboscidea louisianica (Miller) Thellung
parviflora Wooton = Proboscidea parviflora (Wooton) Wooton & Standley

Proboscidea devil's-claw

Bretting, P.K. 1982. Range extension of *Proboscidia sabulosa* Correll (Martyniaceae), a sand dune endemic. Southw. Naturalist 27:228.
Bretting, P.K. 1983. The taxonomic relationship between *Proboscidea louisianica* and *Proboscidea fragrans* (Martyniaceae). Southw. Natural. 28:445-449.

arenaria (Engelmann) Decaisne = Proboscidea althaeifolia (Bentham) Decaisne
althaeifolia (Bentham) Decaisne [M&H; W&S]
hollyhock devil's-claw
Martynia altheaifolia Bentham
Proboscidea arenaria (Engelmann) Decaisne
Martynia arenaria Engelmann
louisiana (Miller) Wooton & Standley = Proboscidea louisianica (Miller) Thellung
louisianica (Miller) Thellung subsp. ***louisianica*** [M&H; W&S]
ram's-horn devil's-claw
Martynia louisianica Miller
parviflora (Wooton) Wooton & Standley [M&H; W&S]
Wooton's devil's-claw
Martynia parviflora Wooton
sabulosa Correll [Bretting 1982]
sand-dune devil's claw

Family PHYTOLACCACEAE

Nienaber, M.A. & J.W. Thieret. 2003. Phytolaccaceae, pp. 3-11. IN: Flora of North America, vol. 4. Oxford University Press, New York.

Phytolacca pokeweed

McGrath, J. 1999. New plant distribution records. The New Mexico Botanist 12:8. [*Phytolacca americana*]

americana Linnaeus var. ***americana*** [McGrath 1999; Nienaber & Thieret 2003]
American pokeweed

Rivina humble-weed

humilis Linnaeus [M&H; Nienaber & Thieret 2003; W&S]
humble-weed
Rivina portulacoides Nuttall

portulacoides Nuttall = Rivina humilis Linnaeus

Family PINGUICULACEAE = LENTIBULARIACEAE

Family PLANTAGINACEAE

Plantago plantain

Bassett, I.J. 1966. Taxonomy of North American *Plantago* L., section *Micropsyllium* Decne. Can. J. Bot. 44:467-479.
Bassett, I.J. 1967. Taxonomy of *Plantago* L. in North America: Sections *Holopsyllium*, *Pilger*, *Palaeopsyllium* Pilger, and *Lamprosantha* Decne. Can. J. Bot. 45:565-577.
McIntosh, L. 1996. Seven additions to the flora of New Mexico. Phytologia 81(5):365-368. [*Plantago bigelovii* subsp. *californica*]
Rahn, K. 1974. *Plantago* section *Virginica*, a taxonomic revision of a group of American plantains, using experimental, taximetric, and classical methods. Dansk. Bot. Ark. 30:1-178.
Sivinski, R. 1993. Noteworthy collections (New Mexico). Madroño 40:273-274. [*Plantago elonngata*]
Sivinski, R. 1997. New plant distribution records. The New Mexico Botanist 5:8. [*Plantago wrightiana*]
Sivinski, R. 2001. The genus *Plantago* (Plantaginaceae) in New Mexico. The New Mexico Botanist 18:1-3.
Spellenberg, R., M. Mahrt & R. Brozka. 1991. Noteworthy collections, New Mexico. Madroño 38:298-301. [*Plantago virginica*]

argyraea Morris [M&H; Sivinski 2001; W&S]
salt-meadow plantain

aristata Michaux : Reported as expected by M&H map; awaits verification.

bigelovii Gray subsp. ***californica*** (Greene) Bassett [McIntosh 1996]
coastal plantain
Plantago californica Greene

californica Greene = Plantago bigelovii Gray subsp. californica (Greene) Bassett

elongata Pursh subsp. ***elongata*** [Sivinski 1993; Sivinski 2001]
prairie plantain
Plantago myosuroides Rydberg

eriopoda Torrey [M&H; Sivinski 2001; W&S]
wooly plantain

helleri Small [M&H; Sivinski 2001]
Heller's plantain

heterophylla Nuttall : Reported as expected by M&H map; this seems unlikely in view of the distribution reported by Bassett (1966).

hirtella Kunth var. galeottiana (Decaisne) Pilger : Reported as expected by M&H; awaits verification.

****lanceolata*** Linnaeus [M&H; Sivinski 2001; W&S]
English plantain

****major*** Linnaeus [M&H; Sivinski 2001; W&S]
great plantain

myosuroides Rydberg = Plantago elongata Pursh

oblonga Morris = Plantago patagonica Jacquin

patagonica Jacquin [M&H; Sivinski 2001; W&S]
wooly plantain
Plantago purshii Roemer & Schultes
Plantago purshii Roemer & Schultes var. *picta* (Morris) Pilger
Plantago oblonga Morris
Plantago picta Morris
Plantago spinulosa Decaisne

picta Morris = Plantago patagonica Jacquin

purshii Roemer & Schultes var. *picta* (Morris) Pilger = Plantago patagonica Jacquin

purshii Roemer & Schultes = Plantago patagonica Jacquin

rhodosperma Decaisne [M&H; Sivinski 2001]
red-seed plantain

spinulosa Decaisne = Plantago patagonica Jacquin

tweedyi Gray [M&H; Sivinski 2001; W&S]
Tweedy's plantain

virginica Linnaeus [Sivinski 2001; Spellenberg et al. 1991]
pale-seed plantain

wrightiana Decaisne [Great Plains Flora Association 1977; Sivinski 1997; Sivinski 2001]
Wright plantain

Family PLATANACEAE

Kaul, R.B. 1997. 1997. Platanaceae, pp. 358-361. IN: Flora North America, Vol. 3. Oxford Univ. Press.

Platanus sycamore

racemosa Nuttall var. *wrightii* (S. Watson) L. Benson = Platanus wrightii S. Watson

wrightii S. Watson [M&H; W&S]

Arizona sycamore

Platanus racemosa Nuttall var. *wrightii* (S. Watson) L. Benson

Family PLUMBAGINACEAE

Limonium sea-lavender

limbatum Small [M&H; W&S]

southwestern sea-lavender

Family POLEMONIACEAE

Cronquist, Q. 1984. Polemoniaceae, pp. 86-155. IN: Intermountain Flora, vol. 4. New York Botanical Garden.

Grant, V. 1998. Primary classification and phylogeny of the Polemoniaceae, with comments on molecular cladistics. Amer. J. Bot. 85(6):741-752.

Porter, J.M. & L.A. Johnson. 2000. A phylogenetic classification of Polemoniaceae. Aliso 19(1):55-91.

Aliciella gilia

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*A. triodon*]

+formosa (Greene ex Brand) J.M. Porter [M&H; W&S]

Aztec gilia

Gilia formosa Greene ex Brand

haydenii (A. Gray) J.M. Porter [M&H; W&S]

San Juan gilia

Gilia crandallii Rydberg

Gilia haydenii A. Gray

leptomeria (A. Gray) J.M. Porter [M&H; W&S]

sand gilia

Gila leptomeria A. Gray

pinnatifida (Nuttall ex A. Gray) J.M. Porter [M&H; W&S]

sticky gilia

Gilia calcarea M.E. Jones

Gilia pinnatifida Nuttall ex A. Gray

Gilia viscida Wooton & Standley

triodon (Eastwood) Brand [Heil et al. 2002]

coyote Gilia

Gilia triodon Eastwood

Callisteris collina Greene = Ipompsis aggregata (Pursh) V. Grant subsp. collina (Greene) Wilken & Allard

Collomia mountain-trumpet

Wherry, E.T. 1944. Review of the genera *Collomia* and *Gymnosteris*. Amer. Midl. Naturalist 31:216-231.

grandiflora Douglas ex Lindley : Reported as expected by M&H; awaits verification.

Gilia grandiflora (Douglas ex Lindley) Gray

Navarretia grandiflora (Douglas ex Lindley) Kuntze

linearis Nuttall [M&H; W&S]

narrow-leaf mountain-trumpet

Gilia linearis (Nuttall) Gray

Navarretia linearis (Nuttall) Kuntze

micrantha Kellogg = Microsteris gracilis (Hooker) Greene

Dactylophyllum aureum (Nuttall) Heller = Leptosiphon aureus (Nuttall) J.M. Porter & L.A. Johnson

Eriastrum wooly-star

Harrison, H.K. 1972. Contributions to the study of the genus *Eriastrum*. II. Notes concerning the type specimens and descriptions of the species. Brigham Young University Science Bull. 16(4):1-26.

diffusum (Gray) Mason [M&H; W&S]

miniature wooly-star

Gilia filifolia Nuttall var. *diffusa* Gray

Eriastrum filifolium (Nuttall) Wooton & Standley

filifolium (Nuttall) Wooton & Standley = Eriastrum diffusum (Gray) Mason

Gilia gilia

Grant, V. 1998. Classification of the genus *Gilia* (Polemoniaceae). Phytologia 84(2):69-86.

Grant, V. & D. Wilken. 1986. Taxonomy of the *Ipomopsis aggregata* group (Polemoniaceae). Bot. Gaz. 147(3):359-371.

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*G. capitata, G. ophthalmoides*]

Soreng, R. 1984. *Ipomopsis pinnata* (Polemoniaceae) in the United States. Madroño 31:189-190.

Sivinski, R., T. Lowrey, & R. Peterson. 1994. Additions to the native and adventive flora of New Mexico. Phytologia 76(6):473-479. [*Gilia stellata*]

acerosa (Gray) Britton = Giliastrum acerosum (Gray) Rydberg

aggregata (Pursh) Sprengel = Ipomopsis aggregata (Pursh) V. Grant

aggregata (Pursh) Sprengel subsp. *formosissima* (Greene) Wherry = Ipomopsis aggregata (Pursh) V. Grant subsp. formosissima (Greene) Wherry

aggregata (Pursh) V. Grant var. *texana* (Greene) Shinners = Ipomopsis aggregata (Pursh) V. Grant subsp. formosissima (Greene) Wherry

bigelovii Gray = Linanthus bigelovii (Gray) Greene

brachysiphon Wooton & Standley = Ipomopsis multiflora (Nuttall) V. Grant
brandegeei Gray = Polemonium brandegeei (Gray) Greene
calcarea M.E. Jones = Aliciella pinnatifida (Nuttall ex A. Gray) J.M. Porter
campylantha Wooton & Standley = Ipomopsis pinnata (Cavanilles) V. Grant
candida Rydberg = Ipomopsis aggregata (Pursh) V. Grant subsp. candida (Rydberg) V. Grant
candida Rydberg subsp. *collina* (Greene) Wherry = Ipomopsis aggregata (Pursh) V. Grant subsp. collina (Greene) Wilken & Allard
candida Rydberg forma *vera* Wherry = Ipomopsis aggregata (Pursh) V. Grant subsp. candida (Rydberg) V. Grant
capitata Sims [Heil et al. 2002]
blue-head gilia
clokeyi Mason = Gilia inconspicua (J.E. Smith) Sweet
crandallii Rydberg = Aliciella haydenii (A. Gray) J.M. Porter
crebifolia Nuttall = Ipomopsis congesta (Hooker) V. Grant var. crebrifolia (Nuttall) A. Gray
filifolia Nuttall var. *diffusa* Gray = Eriastrum diffusum (Gray) Mason
flavocincta A. Nelson subsp. ***australis*** (A. & V. Grant) Day and V. Grant [M&H]
yellow-throat gilia
Gilia ophthalmoides Brand subsp. *australis* A. & V. Grant
floribunda Gray = Leptosiphon nuttallii (Gray) J.M. Porter subsp. nuttallii (not occurring in NM)
formosa Greene ex Brand = Aliciella formosa (Greene ex Brand) J.M. Porter
formosissima (Greene) Wooton & Standley = Ipomopsis aggregata (Pursh) V. Grant subsp. formosissima (Greene) Wherry
gracilis Hooker = Microsteris gracilis (Hooker) Greene
grandiflora (Douglas ex Lindley) Gray = Collomia grandiflora (Douglas ex Lindley) Gray
greeneana Wooton & Standley = Ipomopsis aggregata (Pursh) V. Grant subsp. candida (Rydberg) V. Grant
gunnisonii Torrey & Gray = Ipomopsis gunnisonii (Torrey & Gray) V. Grant
haydenii A. Gray = Aliciella haydenii (A. Gray) J.M. Porter
incisa Bentham = Giliastrum incisum (Bentham) J.M. Porter
inconspicua (J.E. Smith) Sweet [M&H; W&S]
shy gilia
Gilia clokeyi Mason
Gilia ophthalmoides Brand subsp. *clokeyi* (Mason) A. & V. Grant
Ipomopsis inconspicua J.E. Smith
inconspicua (J.E. Smith) Sweet var. *sinuata* (Douglas ex Bentham) A. Gray = Gilia sinuata Douglas ex Bentham
floribunda Gray = Leptosiphon nuttallii subsp. tenuilobus (R. Patterson) ined.
laxiflora (Coulter) Osterhout = Ipomopsis laxiflora (Coulter) V. Grant
leptomeria Gray = Aliciella leptomeria (Gray) J.M. Porter
lindheimeriana Scheele = Giliastrum incisum (Bentham) J.M. Porter
linearis (Nuttall) Gray = Collomia linearis Nuttall
longiflora (Torrey) G. Don = Ipomopsis longiflora (Torrey) V. Grant subsp. longiflora
macombii Torrey ex Gray = Ipomopsis macombii (Torrey ex Gray) V. Grant
macombii Torrey var. *laxiflora* Coulter = Ipomopsis laxiflora (Coulter) V. Grant
mexicana A. & V. Grant [M&H]
El Paso gilia
multiflora Nuttall = Ipomopsis multiflora (Nuttall) V. Grant
ophthalmoides Brand [Heil et al. 2002]
eyed gilia
ophthalmoides Brand subsp. *australis* A. & V. Grant = Gilia flavocincta A. Nelson subsp. australis (A. & V. Grant) Day and V. Grant
ophthalmoides Brand subsp. *clokeyi* (Mason) A. & V. Grant = Gilia inconspicua (J.E. Smith) Sweet
perennans Shinners = Giliastrum incisum (Bentham) J.M. Porter
pinnatifida Nuttall ex A. Gray = Aliciella pinnatifida (Nuttall ex A. Gray) J.M. Porter
polyantha Rydberg = Ipmopsis polyantha (Rydberg) V. Grant
polycladon Torrey = Ipomopsis polycladon (Torrey) V. Grant
pringlei Gray = *Ipomopsis pringlei* (Gray) Henrard
pumila Nuttall = Ipomopsis pumila (Nuttall) V. Grant
pungens (Torrey) Bentham = Linanthus pungens (Torrey) J.M. Porter & L.A. Johnson
rigidula Bentham s.s. = Giliastrum rigidulum (Bentham) Rydberg
rigidula Bentham subsp. *acerosa* (Gray) Wherry = Giliastrum acerosum (A. Gray) Rydberg
sinuata Douglas ex Bentham [M&H]
rosy gilia
Gilia inconspicua (J.E. Smith) Sweet var. *sinuata* (Douglas ex Bentham) A. Gray
spicata Nuttall = Ipmopsis spicata (Nuttall) V. Grant
stellata Heller [Sivinski et al. 1994]
star gilia
subnuda Torrey ex Gray subsp. ***subnuda*** [M&H; W&S]
coral gilia
subnuda Torrey ex Gray subsp. ***superba*** (Eastwood) Brand [M&H]
coral gilia
texana (Greene) Wooton & Standley = Ipomopsis aggregata (Pursh) V. Grant subsp. formosissima (Greene) Wherry
thurberi Torrey ex Gray = Ipomopsis thurberi (Torrey ex Gray) V. Grant
triodon Eastwood = Aliciella triodon (Eastwood) Brand

viscida Wooton & Standley = Aliciella pinnatifida (Nuttall ex A. Gray) J.M. Porter

Giliastrum blue-bowls

acerosum (A. Gray) Rydberg [M&H; W&S]

spiny blue-bowls

Gilia acerosa (Gray) Britton

Gilia rigidula Bentham subsp. *acerosa* (Gray) Wherry

incisum (Bentham) J.M. Porter [M&H]

split-leaf blue-bowls

Gilia incisa Bentham

Gilia lindheimeriana Scheele

Gilia perennans Shinners

rigidulum (Bentham) Rydberg [M&H]

blue-bowls

Gilia rigidula Bentham

Ipomopsis skyrocket

Fletcher, R. & W.L. Wagner. 1984. A new subspecies of *Ipomopsis longiflora* (Polemoniaceae) from Arizona, new Mexico, and northern Mexico. Madroño 31:20-23.

Grant, V. & D. Wilken. 1986. Taxonomy of the *Ipomopsis aggregata* group (Polemoniaceae). Bot. Gaz. 147(3):359-371.

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*I. aggregata aggregata*]

Soreng, R. 1984. *Ipomopsis pinnata* (Polemoniaceae) in the United States. Madroño 31:189-190.

Wilken, D.H. 2001. A new *Ipomopsis* (Polemoniaceae) from the southwest USA and adjacent Mexico. Madroño 48(2):116-122.

Wilken, D.H. & R. Fletcher. 1988. *Ipomopsis sancti-spiritus* (Polemoniaceae), a new species from northern New Mexico. Brittonia 40(1):48-51.

aggregata (Pursh) V. Grant subsp. ***aggregata*** [Heil et al. 2002]

skyrocket

Gilia aggregata (Pursh) Sprengel

aggregata (Pursh) V. Grant subsp. ***candida*** (Rydberg) V. & A. Grant [Grant & Wilken 1986; M&H; W&S]

skyrocket

Gilia candida Rydberg

Gilia candida Rydberg forma *vera* Wherry

Gilia greeneana Wooton & Standley

aggregata (Pursh) V. Grant subsp. ***collina*** (Greene) Wilken & Allard [Grant & Wilken 1986]

skyrocket

Callisteris collina Greene

Gilia candida Rydberg subsp. *collina* (Greene) Wherry

aggregata (Pursh) V. Grant subsp. ***formosissima*** (Greene) Wherry [Grant & Wilken 1986; W&S]

skyrocket

Gilia aggregata (Pursh) Sprengel subsp. *formosissima* (Greene) Wherry

Gilia aggregata (Pursh) V. Grant var. *texana* (Greene) Shinners

Gilia formosissima (Greene) Wooton & Standley

Gilia texana (Greene) Wooton & Standley

Ipomopsis aggregata (Pursh) V. Grant subsp. *texana* (Greene) ined. Note: This combination not validly published by M&H [ICBN, Article 33]

aggregata (Pursh) V. Grant var. *texana* (Greene) Shinners = Ipomopsis aggregata (Pursh) V. Grant subsp. formosissima (Greene) Wherry

aggregata (Pursh) V. Grant subsp. *texana* (Greene) ined. [This combination not validly published by M&H] = Ipomopsis aggregata (Pursh) V. Grant subsp. formosissima (Greene) Wherry [Grant & Wilken 1986; ICBN, Article 33]

campylantha (Wooton & Standley) ined. [This combination not validly published by M&H] = Ipomopsis pinnata (Cavanilles) V. Grant [ICBN, Article 33]

congesta (Hooker) V. Grant var. ***crebrifolia*** (Nuttall) A. Gray [M&H]

ball-head skyrocket

Gilia crebfifolia Nuttall

gunnisonii (Torrey & Gray) V. Grant [M&H; W&S]

Gunnison skyrocket

Gilia gunnisonii Torrey & Gray

inconspicua J.E. Smith = Gilia inconspicua (J.E. Smith) Sweet

laxiflora (Coulter) V. Grant [M&H; W&S]

iron skyrocket

Gilia laxiflora (Coulter) Osterhout

Gilia macombii Torrey var. *laxiflora* Coulter

longiflora (Torrey) V. Grant subsp. ***australis*** Fletcher & Wagner [Fletcher & Wagner 1984]

blue trumpets

longiflora (Torrey) V. Grant subsp. ***longiflora*** [Fletcher & Wagner 1984; M&H; W&S]

blue trumpets

Gilia longiflora (Torrey) G. Don

longiflora (Torrey) V. Grant subsp. ***neomexicana*** Wilken [Wilken 2001]

blue trumpets

macombii (Torrey ex Gray) V. Grant [M&H]

Macomb's skyrocket
Gilia macombii Torrey ex Gray
multiflora (Nuttall) V. Grant [M&H; W&S]
many-flowered skyrocket
Gilia brachysiphon Wooton & Standley
Gilia multiflora Nuttall
pinnata (Cavanilles) V. Grant [M&H; Soreng 1984b; W&S]
San Luis skyrocket
Gilia campylantha Wooton & Standley
Ipomopsis campylantha (Wooton & Standley) ined. Note: This combination not validly published by M&H [ICBN, Article 33]
polyantha (Rydberg) V. Grant [M&H] Note: Kartesz (1999) indicates this species is rare and endemic to Colorado; perhaps warrants verification.
Pagosa skyrocket
Gilia polyantha Rydberg
polycladon (Torrey) V. Grant [M&H]
sprawling skyrocket
Gilia polycladon Torrey
pringlei (A. Gray) Henrard [M&H; W&S]
Pringle's skyrocket
Gilia pringlei A. Gray
pumila (Nuttall) V. Grant [M&H; W&S]
low skyrocket
Gilia pumila Nuttall
+sancti-spiritus Wilken & Fletcher [Wilken & Fletcher 1988]
Holy Ghost skyrocket
spicata (Nuttall) V. Grant [M&H]
spike skyrocket
Gilia spicata Nuttall
thurberi (Torrey ex Gray) V. Grant [M&H; W&S]
Thurber's skyrocket
Gilia thurberi Torrey ex Gray

Leptodactylon brevifolium Rydberg = Linanthus pungens (Torrey) J.M. Porter & L.A. Johnson
nuttallii (A. Gray) Rydberg = Leptosiphon nuttallii (A. Gray) J.M. Porter
pungens (Torrey) Torrey ex Nuttall = Linanthus pungens (Torrey) J.M. Porter & L.A. Johnson

Leptosiphon desert-trumpets
aureus (Nuttall) J.M. Porter & L.A. Johnson [M&H; W&S]
golden desert-trumpets
Dactylophyllum aureum (Nuttall) Heller
Linanthus aureus (Nuttall) Greene
nuttallii (A. Gray) J.M. Porter subsp. ***tenuilobus*** (R. Patterson) ined. [Patterson 1977] Note: This combination has not yet been made.
Nuttall's desert-trumpets
Leptodactylon nuttallii (A. Gray) Rydberg
Linanthus nuttallii (Gray) Greene ex Milligen subsp. *tenuilobus* R. Patterson

Linanthastrum floribundum (Gray) Wherry = Linanthastrum nuttallii (Gray) Ewan subsp. floribundum (Gray) Ewan
nuttallii of NM authors = Leptosiphon nuttallii subsp. tenuilobus (R. Patterson) ined.
nuttallii (Gray) Ewan subsp. floribundum (Gray) Ewan [=Leptosiphon nuttallii (Gray) J.M. Porter subsp. nuttallii] : Though reported by M&H, not known to occur in NM (Patterson 1977).
Gilia floribunda Gray
Linanthastrum floribundum (Gray) Wherry
Siphonella floribunda (Gray) Jepson

Linanthus desert-trumpets
Patterson, R. 1977. A revision of *Linanthus* Sect. Siphonella (Polemoniaceae). Madroño 24:36-48.
aureus (Nuttall) Greene = Leptosiphon aureus (Nuttall) J.M. Porter & L.A. Johnson
bigelovii (Gray) Greene [M&H; W&S]
Bigelow's desert-trumpets
Gilia bigelovii Gray
floribundus (Gray) Greene ex Milliken [=Leptosiphon nuttallii (Gray) J.M. Porter subsp. nuttallii] : Though reported by M&H, not known to occur in NM (Patterson 1977).
nuttallii (Gray) Greene ex Milligen subsp. *tenuilobus* R. Patterson = Leptosiphon nuttallii (A. Gray) J.M. Porter subsp. tenuilobus (R. Patterson) ined. Note: That combination has not yet been made.
pungens (Torrey) J.M. Porter & L.A. Johnson [M&H]
granite prickly-phlox
Gilia pungens (Torrey) Bentham
Leptodactylon pungens (Torrey) Torrey ex Nuttall
Leptodactylon brevifolium Rydberg

Microsteris slender-phlox

gracilis (Hooker) Greene [M&H; W&S]

slender-phlox

Collomia micrantha Kellogg

Gilia gracilis Hooker

Microsteris micrantha (Kellogg) Greene

micrantha (Kellogg) Greene = Microsteris gracilis (Hooker) Greene

Navarretia grandiflora (Douglas ex Lindley) Kuntze = Collomia grandiflora Douglas ex Lindley

linearis (Nuttall) Kuntze = Collomia linearis Nuttall

Phlox phlox

Cronquist, A. 1984. Polemoniaceae, pp. 86-155. IN: Intermountain Flora, vol. 4. New York Botanical Garden. [*Phlox pulvinata*]

Peabody, F.J. 1979. *Phlox longifolia* Nuttall (Polemoniaceae) complex of North America. Great Basin Naturalist 39:1-14.

Wherry, E.T. 1955. The genus *Phlox*. Morris Arbor. Monogr. 3.

austromontana Coville [M&H]

mountain phlox

caespitosa Nuttall [M&H; W&S]

tufted phlox

canescens Torrey & Gray = Phlox hoodii Richardson subsp. canescens (Torrey & Gray) Wherry

caryophylla Wherry [M&H]

clove phlox

cluteana A. Nelson [M&H]

Navajo phlox

condensata (Gray) E. Nelson [Wherry 1955]

dwarf phlox

diffusa Bentham subsp. ***subcarinata*** Wherry [Wherry 1955]

spreading phlox

grayi Wooton & Standley = Phlox longifolia Nuttall

hoodii Richardson subsp. ***canescens*** (Torrey & Gray) Wherry [M&H; W&S]

carpet phlox

Phlox canescens Torrey & Gray

longifolia Nuttall subsp. *brevifolia* (Gray) Mason = Phlox longifolia Nuttall

longifolia Nuttall subsp. *compacta* (Brand) Wherry = Phlox longifolia Nuttall

longifolia Nuttall subsp. *cortezana* (A. Nelson) Wherry = Phlox longifolia Nuttall

longifolia Nuttall subsp. *humilis* (Douglas ex Hooker) Wherry = Phlox longifolia Nuttall

longifolia Nuttall [M&H; Peabody 1979; W&S]

long-leaf phlox

Phlox grayi Wooton & Standley

Phlox longifolia Nuttall subsp. *brevifolia* (Gray) Mason

Phlox longifolia Nuttall subsp. *compacta* (Brand) Wherry

Phlox longifolia Nuttall subsp. *cortezana* (A. Nelson) Wherry

Phlox longifolia Nuttall subsp. *humilis* (Douglas) Wherry

Phlox longifolia Nuttall var. *longipes* (M.E. Jones) M.E. Peck

Phlox longifolia Nuttall var. *stansburyi* (Torrey) A. Gray

Phlox stansburyi (Torrey) Heller

Phlox stansburyi (Torrey) Heller subsp. *eu-stansburyi* Brand

Phlox tenuis Wooton & Standley

Phlox viridis E. Nelson subsp. *compacta* (Brand) Wherry

Phlox viridis E. Nelson subsp. *longipes* (M.E. Jones) Wherry

Phlox visenda A. Nelson

longifolia Nuttall var. *longipes* (M.E. Jones) M.E. Peck = Phlox longifolia Nuttall

longifolia Nuttall var. *stansburyi* (Torrey) A. Gray = Phlox longifolia Nuttall

mesoleuca Greene [M&H; W&S]

thread-leaf phlox

multiflora A. Nelson [Wherry 1955]

Rocky Mountain phlox

nana Nuttall [M&H; W&S]

Santa Fe phlox

nana Nuttall subsp. *glabella* (Gray) Brand = Phlox triovulata Thurber

pulvinata (Wherry) Cronquist [Cronquist 1984]

cushion phlox

speciosa Pursh subsp. ***woodhousei*** (Torrey ex Gray) Wherry [M&H]

showy phlox

Phlox speciosa Pursh var. *woodhousei* Torrey ex Gray

Phlox woodhousei (Torrey ex Gray) E. Nelson

Phlox woodhousei (Torrey ex Gray) E. Nelson var. *oculata* A. Nelson

speciosa Pursh var. *woodhousei* Torrey ex Gray = Phlox speciosa Pursh subsp. woodhousei (Torrey ex Gray) Wherry

stansburyi (Torrey) Heller = Phlox longifolia Nuttall

stansburyi (Torrey) Heller subsp. *eu-stansburyi* Brand = *stansburyi* (Torrey) Heller subsp. *eu-stansburyi* Brand
tenuis Wooton & Standley = Phlox longifolia Nuttall
triovulata Thurber ex Torrey [M&H; W&S]
three-seed phlox
Phlox nana Nuttall subsp. *glabella* (Gray) Brand
variabilis Brand [Spellenberg et al. 1986]
variegated phlox
viridis E. Nelson subsp. *compacta* (Brand) Wherry = Phlox longifolia Nuttall
viridis E. Nelson subsp. *longipes* (M.E. Jones) Wherry = Phlox longifolia Nuttall
viscida E. Nelson [Wherry 1955]
sticky phlox
visenda A. Nelson = Phlox longifolia Nuttall
woodhousei (Torrey ex Gray) E. Nelson = Phlox speciosa Pursh subsp. woodhousei (Torrey ex Gray) Wherry
woodhousei (Torrey ex Gray) E. Nelson var. *oculata* A. Nelson = Phlox speciosa Pursh subsp. woodhousei (Torrey ex Gray) Wherry

Polemonium Jacob's-ladder

Anway, J.C. 1968. The systematic botany and taxonomy of *Polemonium foliosissimum*. Amer. Midl. Naturalist 79:451-468.
Davidson, J.F. 1950. The genus *Polemonium*. Univ. Calif. Publ. Bot. 23:209-282.

brandegeei (Gray) Greene [M&H; W&S]
Brandegee's Jacob's-ladder
Gilia brandegeei Gray
Polemonium mellitum Gray
Polemonium viscosum Nuttall subsp. *mellitum* (Gray) Davidson
brandegeei (Gray) Greene subsp. *mellitum* (Gray) Wherry = Polemonium brandegeei (Gray) Greene
confertum Gray = Polemonium viscosum Nuttall
delicatum Rydberg = Polemonium pulcherrimum Hooker var. delicatum (Rydberg) Cronquist
filicinum Greene = Polemonium flavum Greene
flavum Greene [M&H; W&S]
yellow Jacob's-ladder
Polemonium filicinum Greene
Polemonium foliosissimum Gray var. *flavum* (Greene) Anway
foliosissimum Gray var. *flavum* (Greene) Anway = Polemonium flavum Greene
foliosissimum Gray [M&H; W&S]
Jacob's-ladder
Polemonium foliosissimum Gray var. *molle* (Greene) Anway
Polemonium grande Greene
Polemonium molle Greene
Polemonium pterospermum A. Nelson & Cockerell
foliosissimum Gray var. *molle* (Greene) Anway = Polemonium foliosissimum Gray
grande Greene = Polemonium foliosissimum Gray var. foliosissimum
mellitum Gray = Polemonium brandegeei (Gray) Greene
molle Greene = Polemonium foliosissimum Gray
pulcherrimum Hooker var. ***delicatum*** (Rydberg) Cronquist [M&H; W&S]
beautiful Jacob's-ladder
Polemonium delicatum Rydberg
Polemonium scopulinum Greene
pterospermum A. Nelson & Cockerell = Polemonium foliosissimum Gray var. foliosissimum
scopulinum Greene = Polemonium pulcherrimum Hooker var. delicatum (Rydberg) Cronquist
viscosum Nuttall [M&H; W&S]
sky-pilot
Polemonium confertum Gray
viscosum Nuttall subsp. *mellitum* (Gray) Davidson = Polemonium brandegeei (Gray) Greene

Siphonella floribunda (Gray) Jepson = Leptosiphon nuttallii (Gray) J.M. Porter subsp. nuttallii (not occurring in NM).

Family POLYGALACEAE

Monnina pygmy-flower

wrightii Gray [M&H; W&S]
pygmy-flower

Polygala milkwort

Blake, S.F. 1916. A revision of the genus *Polygala* in Mexico, Central America, and the West Indies. Contr. Gray Herb. n.ser. 47:1-122. [*Polygala rectipilis*]
Todsen, T.K. 1973. Comments on New Mexico flora. Sida 5(2):135. [*Polygala rimulicola*]
Wendt, T. & T.K. Todsen. 1982. A new variety of *Polygala rimulicola* (Polygalaceae) from Dona Ana County, New Mexico. Madroño 29:19-21. [*Polygala rimulicola* var. *mescalerorum*]
Wendt, T. 1979. Notes on the genus *Polygala* in the United States and Mexico. J. Arnott Arbor. 60:504-514.

acanthoclada Gray : Reported as expected by M&H; awaits verification.
alba Nuttall [M&H; W&S]
white milkwort
barbeyana Chodat [M&H; Wendt 1979]

blue milkwort
Polygala longa Blake
hemipterocarpa Gray [M&H; W&S]
winged milkwort
lindheimeri Gray var. lindheimeri : Reported as expected by M&H map; awaits verification.
lindheimeri Gray var. ***parvifolia*** Wheelock [M&H; W&S; Wendt 1979]
shrubby milkwort
Polygala tweedyi Britton
Polygala parvifolia (Wheelock) Wooton & Standley
longa Blake = Polygala barbeyana Chodat
macradenia Gray [M&H; W&S]
glandular milkwort
neomexicana Wooton & Standley = Polygala obscura Bentham
obscura Bentham [M&H; W&S]
velvet-seed milkwort
Polygala neomexicana Wooton & Standley
Polygala puberula Gray
ovatifolia Gray : Reported as expected by M&H map; awaits verification.
parvifolia (Wheelock) Wooton & Standley = Polygala lindheimeri Gray var. parvifolia Wheelock
puberula Gray = Polygala obscura Bentham
rectipilis Blake [Blake 1916]
New Mexico milkwort
+rimulicola Steyermark var. ***mescalerorum*** Wendt & Todsen [Wendt & Todsen 1982]
Mescalero milkwort
rimulicola Steyermark var. ***rimulicola*** [M&H; Todsen 1973]
Steyermark's milkwort
sanguinea Linnaeus [M&H; W&S]
purple milkwort
Polygala sanguinea Linnaeus forma *viridescens* (Linnaeus) Farwell
Polygala viridescens Linnaeus
sanguinea Linnaeus forma *viridescens* (Linnaeus) Farwell = Polygala sanguinea Linnaeus
scoparia sensu W&S = Polygala scoparioides Chodat
scoparioides Chodat [M&H; W&S]
broom milkwort
Polygala scoparia sensu W&S
Polygala scoparia Humboldt, Bonpland, & Kunth var. *multicaulis* Gray
scoparia Humboldt, Bonpland, & Kunth var. *multicaulis* Gray = Polygala scoparioides Chodat
subspinosa S. Watson [M&H; W&S]
cushion milkwort
tweedyi Britton = Polygala lindheimeri Gray var. parvifolia Wheelock
viridescens Linnaeus = Polygala sanguinea Linnaeus

Family POLYGONACEAE

Graham, S.A. and C.E. Wood, Jr. 1965. The genera of Polygonaceae in the southeastern United States. J. Arnott Arbor. 46:91-121.

Bilderdykia convolvulus (Linnaeus) Dumortier = Fallopia convolvulus (Linnaeus) A. Löve

Bistorta bistort
bistortoides (Pursh) Small [M&H; W&S]
American bistort
Polygonum bistortoides Pursh
vivipara (Linnaeus) S.F. Gray [M&H; W&S]
alpine bistort
Polygonum viviparum Linnaeus

Chorizanthe spine-flower
Reveal, J.L. & C.B. Hardham. 1989. A revision of the annual species of *Chorizanthe* (Polygonaceae: Eriogonoideae). Phytologia 66(2):98-196.
Spellenberg, R., L. McIntosh, & L. Brouillet. 1993. New records of angiosperms from southern New Mexico. Phytologia 75:224-230. [*Chorizanthe brevicornu*]
brevicornu Torrey [Spellenberg et al. 1993]
brittle spine-flower

Eriogonum wild-buckwheat
Heil, K. 2003. New plant distribution reports. The New Mexico Botanist 25:7. [*Eriogonum villiflorum*]
Reveal, J.L. 1976. *Eriogonum* (Polygonaceae) of Arizona and New Mexico. Phytologia 34(5):409-484.
Reveal, J.L. 1989. New combinations and novelties in *Eriogonum* (Polygonaceae: Eriogonoideae). Phytologia 66(3):251-265.
Reveal, J.L. A checklist of the Eriogonoideae (Polygonaceae). Phytologia 66(3):266-294.
Reveal, J. L. & A. Clifford. 2004. A new variety of *Eriogonum lachnogynum* (Polygonaceae: Eriogonoideae). Phytologia 86: 160-168.
Reveal, J.L. & B.J. Ertter. 1977. Re-establishment of *Stenogonum* (Polygonaceae). Great Basin Naturalist 36:272-280.
Sivinski, R. 2000. New plant distribution records. The New Mexico Botanist 14:4. [*Eriogonum longifolium* var. *lindheimeri*]
Soreng, R. 1984. Noteworthy collections (New Mexico). Madroño 31:126. [*Eriogonum hookeri*]
Spellenberg, R., C. Leiva, & E. P. Lessa. 1988. An evaluation of *Eriogonum densum* (Polygonaceae). Southw. Naturalist 33(1):71-80.
Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470.

abertianum Torrey in Emory var. ***abertianum*** [M&H; Reveal 1976; W&S]
Abert's wild-buckwheat
Eriogonum abertianum Torrey subsp. *pinetorum* (Greene) Stokes
Eriogonum abertianum Torrey subsp. *typicum* Stokes
Eriogonum abertianum Torrey var. *bracteatum* Fosberg
Eriogonum abertianum Torrey var. *neomexicanum* Gandoger
Eriogonum abertianum Torrey var. *ruberrimum* Gandoger
Eriogonum abertianum Torrey var. *villosum* Fosberg
Eriogonum pinetorum Greene

abertianum Torrey in Emory var. ***cyclosepalum*** (Greene) Fosberg [Reveal 1976]
Abert's wild-buckwheat
Eriogonum cyclosepalum Greene

abertianum Torrey subsp. *pinetorum* (Greene) Stokes = Eriogonum abertianum Torrey in Emory var. abertianum
abertianum Torrey subsp. *typicum* Stokes = Eriogonum abertianum Torrey in Emory var. abertianum
abertianum Torrey var. *bracteatum* Fosberg = Eriogonum abertianum Torrey in Emory var. abertianum
abertianum Torrey var. *neomexicanum* Gandoger = Eriogonum abertianum Torrey in Emory var. abertianum
abertianum Torrey var. *ruberrimum* Gandoger = Eriogonum abertianum Torrey in Emory var. abertianum
abertianum Torrey var. *villosum* Fosberg = Eriogonum abertianum Torrey in Emory var. abertianum
ainsliei Standley = Eriogonum lonchophyllum Torrey & Gray var. fendlerianum (Bentham) Reveal

alatum Torrey in Sitgreaves var. ***alatum*** [M&H; Reveal 1976; W&S]
winged wild-buckwheat
Eriogonum elatum Douglas ex Bentham subsp. *triste* (S. Watson) Stokes
Eriogonum triste S. Watson

alatum Torrey in Sitgreaves var. ***glabriusculum*** Torrey in Sitgreaves [Reveal 1976]
winged wild-buckwheat

+*aliquantum* Reveal [Reveal 1976]
Cimarron wild-buckwheat

annuum Nuttall [M&H; Reveal 1976; W&S]
annual wild-buckwheat, snow-weed

arcuatum Greene = Eriogonum jamesii Bentham var. flavescens S. Watson

atrorubens Engelmann [M&H; W&S]
red wild-buckwheat

bakeri Greene = Eriogonum jamesii Bentham var. flavescens S. Watson

brandegeei Rydberg [Reveal 1976]
Brandegee's wild-buckwheat

capillare Small [Spellenberg et al. 1993]
San Carlos wild-buckwheat

cernuum Nuttall [M&H; Reveal 1976; W&S]
nodding wild-buckwheat

cernuum Nuttall subsp. *rotundifolium* (Bentham) Stokes = Eriogonum rotundifolium Bentham

clavellatum Small [Heil et al. 2002]
comb-wash wild-buckwheat

corymbosum Bentham var. corymbosum : Reported by M&H ("probably western") and by W&S (two localities), but not by Reveal (1976); W&S's report probably refers to other varieties of this species; needs verification.
Eriogonum corymbosum Bentham var. *divaricatum* Torrey & Gray
Eriogonum divergens Small
Eriogonum effusum Nuttall subsp. *divaricatum* (Torrey & Gray) Stokes

corymbosum Bentham var. *divaricatum* Torrey & Gray = Eriogonum corymbosum Bentham var. corymbosum

corymbosum Bentham var. ***orbiculatum*** (Stokes) Reveal & Brotherson [M&H; Reveal 1976]
crispy wild-buckwheat
Eriogonum effusum Nuttall subsp. *orbiculatum* Stokes

corymbosum Bentham var. ***velutinum*** Reveal [M&H; Reveal 1976]
crispy wild-buckwheat

cyclosepalum Greene = Eriogonum abertianum Torrey in Emory var. cyclosepalum (Greene) Fosberg

deflexum Torrey : Reported by Kartesz (1999) without documentation; awaits verification.

densum Greene = Eriogonum polycladon Bentham

divaricatum Hooker [M&H; Reveal 1976; W&S]
divergent wild-buckwheat

divergens Small [=Eriogonum corymbosum Bentham var. corymbosum] : Reported by M&H ("probably western") and by W&S (two localities), but not by Reveal (1976); needs verification.

eastwoodiae M.E. Jones = Eriogonum leptocladon Torrey & Gray var. papiliunculi Reveal

effusum Nuttall [M&H; Reveal 1976; W&S]
spreading wild-buckwheat
Eriogonum effusum Nuttall subsp. *typicum* Stokes

effusum Nuttall subsp. *divaricatum* (Torrey & Gray) Stokes = Eriogonum corymbosum Bentham var. corymbosum

effusum Nuttall subsp. *leptocladon* (Torrey & Gray) Stokes = Eriogonum leptocladon Torrey & Gray var. papiliunculi Reveal
effusum Nuttall subsp. *orbiculatum* Stokes = Eriogonum corymbosum Bentham var. orbiculatum (Stokes) Reveal & Brotherson
effusum Nuttall subsp. *simpsonii* (Bentham) Stokes = Eriogonum microthecum Nuttall var. simpsonii (Bentham) Reveal
effusum Nuttall subsp. *typicum* Stokes = Eriogonum effusum Nuttall
elatum Douglas ex Bentham subsp. *triste* (S. Watson) Stokes = Eriogonum alatum Torrey in Sitgreaves var. alatum
fendlerianum (Bentham) Small = Eriogonum lonchophyllum Torrey & Gray var. fendlerianum (Bentham) Reveal
flexum M.E. Jones = Stenogonum flexum (M.E. Jones) Reveal & J.T. Howell
gordonii Bentham in A.P. de Candolle [Reveal 1976]
Gordon's wild-buckwheat
+gypsophilum Wooton & Standley [M&H; Reveal 1976; W&S]
gyp wild-buckwheat
havardii S. Watson [M&H; Reveal 1976; W&S]
Havard's wild-buckwheat
Eriogonum leucophyllum Wooton & Standley
hieracifolium Bentham [M&H; Reveal 1976; W&S]
hawkweed wild-buckwheat
Eriogonum pannosum Wooton & Standley
hookeri S. Watson [Soreng 1984]
Hooker's wild-buckwheat
inflatum Torrey & Fremont [M&H; Reveal 1976; W&S]
Indian-Pipe-weed
jamesii Bentham var. ***flavescens*** S. Watson [M&H; Reveal 1976; W&S]
James's wild-buckwheat
Eriogonum arcuatum Greene
Eriogonum bakeri Greene
jamesii Bentham var. ***jamesii*** [M&H; Reveal 1976; W&S]
James's wild-buckwheat
Eriogonum jamesii Bentham var. *neomexicanum* Gandoger
jamesii Bentham var. *neomexicanum* Gandoger = Eriogonum jamesii Bentham var. jamesii
jamesii Bentham var. ***undulatum*** (Bentham) Stokes ex M.E. Jones [M&H]
James's wild-buckwheat
Eriogonum undulatum Bentham
jamesii Bentham var. *wootonii* Reveal = Eriogonum wootonii (Reveal) Reveal
lachnogynum Torrey ex Bentham var. ***colubum*** Reveal & Clifford [Reveal & Clifford 2004]
clipped wild-buckwheat
lachnogynum Torrey ex Bentham var. ***lachnogynum*** [M&H; Reveal 1976; W&S]
wooly-cup wild-buckwheat
lachnogynum Torrey ex Bentham var. ***sarahiae*** (Atwood & Clifford) Reveal [Welsh et al. 2003]
Sarah's wild-buckwheat
Eriogonum sarahiae Atwwod & Clifford
leptocladon Torrey & Gray var. ***papiliunculi*** Reveal [Reveal 1976]
sand wild-buckwheat
Eriogonum eastwoodiae M. E. Jones
Eriogonum effusum Nuttall subsp. *leptocladon* (Torrey & Gray) Stokes
leptocladon Torrey & Gray var. ***ramosissimum*** (Eastwood) Reveal [M&H; Reveal 1976]
sand wild-buckwheat
Eriogonum ramosissimum Eastwood
leptophyllum (Torrey) Wooton & Standley [M&H; Reveal 1976; W&S]
slender-leaf wild-buckwheat
leucophyllum Wooton & Standley = Eriogonum havardii S. Watson
lonchophyllum Torrey & Gray var. ***fendlerianum*** (Bentham) Reveal [M&H; Reveal 1976; W&S]
spear-leaf wild-buckwheat
Eriogonum ainsliei Standley
Eriogonum fendlerianum Bentham
lonchophyllum Torrey & Gray var. ***lonchophyllum*** [M&H; Reveal 1976; W&S]
spear-leaf wild-buckwheat
Eriogonum nudicaule (Torrey) Small subsp. *scoparium* (Small) Stokes
Eriogonum nudicaule (Torrey) Small subsp. *tristichum* (Small) Stokes
Eriogonum scoparium Small
Eriogonum tristichum Small
+lonchophyllum Torrey & Gray var. ***nudicaule*** (Torrey) Reveal [M&H; Reveal 1976; W&S]
spear-leaf wild-buckwheat
Eriogonum nudicaule (Torrey) Small
longifolium Nuttall [M&H; W&S; Sivinski 2000]
long-leaf wild-buckwheat

Eriogonum longifolium Nuttall var. *lindheimeri* Gandoger
Eriogonum texanum Scheele
longifolium Nuttall var. *lindheimeri* Gandoger = Eriogonum longifolium Nuttall
maculatum Heller [Spellenberg et al. 1993]
spotted wild-buckwheat
microthecum Nuttall var. *foliosum* (Torrey & Gray) Reveal = Eriogonum microthecum Nuttall var. simpsonii (Bentham) Reveal
microthecum Nuttall var. ***simpsonii*** (Bentham) Reveal [M&H; Reveal 1976; W&S]
Simpson's wild-buckwheat
Eriogonum effusum Nuttall subsp. *simpsonii* (Bentham) Stokes
Eriogonum microthecum Nuttall var. *foliosum* (Torrey & Gray) Reveal
Eriogonum simpsonii Bentham in A.P. de Candolle
nudicaule (Torrey) Small = Eriogonum lonchophyllum Torrey & Gray var. nudicaule (Torrey) Reveal
nudicaule (Torrey) Small subsp. *scoparium* (Small) Stokes = Eriogonum lonchophyllum Torrey & Gray var. lonchophyllum
nudicaule (Torrey) Small subsp. *tristichum* (Small) Stokes = Eriogonum lonchophyllum Torrey & Gray var. lonchophyllum
ovalifolium Nuttall [M&H; Reveal 1976; W&S]
cushion wild-buckwheat
palmerianum Reveal in Munz [Reveal 1976]
Palmer's wild-buckwheat
pannosum Wooton & Standley = Eriogonum hieracifolium Bentham
pharnaceoides Torrey [Reveal 1976; W&S]
wire-stem wild-buckwheat
pinetorum Greene = Eriogonum abertianum Torrey var. abertianum
polycladon Bentham [M&H; Reveal 1976; W&S]
sorrel wild-buckwheat
Eriogonum densum Greene
Eriogonum polycladon Bentham var. *crispum* Gandoger
Eriogonum vimineum Douglas ex Bentham subsp. *polycladon* (Bentham) Stokes
polycladon Bentham var. *crispum* Gandoger = Eriogonum polycladon Bentham
racemosum Nuttall [M&H; Reveal 1976; W&S]
red-root wild-buckwheat
ramosissimum Eastwood = Eriogonum leptocladon Torrey & Gray var. ramosissimum (Eastwood) Reveal
rotundifolium Bentham [M&H; Reveal 1976; W&S]
saucer-leaf wild-buckwheat
Eriogonum cernuum Nuttall subsp. *rotundifolium* (Bentham) Stokes
sarahiae Atwood & Clifford = Eriogonum lachnogynum Torrey ex Bentham var. sarahiae (Atwood & Clifford) Reveal
salsuginosum (Nuttall) Hooker = Stenogonum salsuginosum Nuttall
scabrellum Reveal [Soreng 1984]
scratchy wild-buckwheat
shockleyi S. Watson var. ***longilobum*** (M.E. Jones) Reveal
Shockley's wild-buckwheat
shockleyi S. Watson var. ***shockleyi*** [Reveal 1976]
Shockley's wild-buckwheat
Eriogonum shockleyi S. Watson var. *longilobum* (M.E. Jones) Reveal
scoparium Small = Eriogonum lonchophyllum Torrey & Gray var. lonchophyllum
shockleyi S. Watson var. *longilobum* (M.E. Jones) Reveal = Eriogonum shockleyi S. Watson var. shockleyi
simpsonii Bentham = Eriogonum microthecum Nuttall var. simpsonii (Bentham) Reveal
subreniforme S. Watson [M&H; Reveal 1976; W&S]
kidney-bean wild-buckwheat
tenellum Torrey [M&H; Reveal 1976; W&S]
tall wild-buckwheat
texanum Scheele = Eriogonum longifolium Nuttall
thurberi Torrey : Reported by Kartesz (1999) without documentation; awaits verification.
trachygonum Torrey ex Bentham subsp. *wrightii* (Torrey) Stokes = Eriogonum wrightii Torrey ex Bantham
trichopes Torrey [M&H; Reveal 1976; W&S]
little desert-trumpet
Eriogonum trichopodum Torrey ex Bentham
trichopodum Torrey ex Bentham = Eriogonum trichopes Torrey
triste S. Watson = Eriogonum alatum Torrey in Sitgreaves var. alatum
tristichum Small = Eriogonum lonchophyllum Torrey & Gray var. lonchophyllum
umbellatum Torrey [Reveal 1976]
sulphur-weed
undulatum Bentham = Eriogonum jamesii Bentham var. undulatum (Bentham) Stokes ex M.E. Jones
villiflorum Gray [Heil 2003; Tidestrom & Kittell 1941]
gray wild-buckwheat
vimineum Douglas ex Bentham subsp. *polycladon* (Bentham) Stokes = Eriogonum polycladon Bentham
wetherillii Eastwood [M&H; Reveal 1976; W&S]

Wetherill's wild-buckwheat

+wootonii (Reveal) Reveal [M&H; Reveal 1976]

Wooton's wild-buckwheat

Eriogonum jamesii Bentham var. *wootonii* Reveal

wrightii Torrey ex Bentham [M&H; Reveal 1976; W&S]

bastard-sage, Wright's wild-buckwheat

Eriogonum trachygonum Torrey ex Bentham subsp. *wrightii* (Torrey) Stokes

Fagopyrum buckwheat

fagopyrum (Linnaeus) Karsten = Fagopyrum esculentum Moench

****esculentum*** Moench [M&H; W&S]

garden buckwheat

Fagopyrum fagopyrum (Linnaeus) Karsten

Fagopyrum sagittatum Gilibert

sagittatum Gilibert = Fagopyrum esculentum Moench

Fallopia bindweed

Spellenberg, R. 1999. New plant distribution records. The New Mexico Botanist 10:7. [*Polygonum aubertii*]

****convolvulus*** (Linnaeus) A. Löve [M&H; W&S]

black bindweed

Bilderdykia convolvulus (Linnaeus) Dumortier

Polygonum convolvulus Linnaeus

****baldschuanica*** (Regel) Holub [Spellenberg 1999]

Chinese fleece-vine, mile-a-minute vine

Polygonum aubertii L. Henry

Gonopyrum americanum Fischer & Meyer = Polygonella americana (Fischer & Meyer) Small

Oxyria mountain-sorrel

digyna (Linnaeus) Hill [M&H; W&S]

mountain-sorrel

Rumex digynus Linnaeus

Persicaria smartweed

Hinds, H.R. & C.C. Freeman. 2005. *Persicaria*, p. 574-594. IN: Flora of North America, vol. 5. Oxford University Press.

amphibia (Linnaeus) S.F. Gray [Hinds & Freeman 2005; M&H; W&S]

water smartweed

Persicaria coccinea (Muhlenberg) Greene

Persicaria muhlenbergia (Meisner) S. Watson

Persicaria hartwrightii (Gray) Greene

Polygonum amphibium Linnaeus var. *emersum* Michaux

Polygonum amphibium Linnaeus var. *stipulaceum* (Coleman) Fernald

Polygonum coccineum Muhlenberg

Polygonum hartwrightii Gray

Polygonum natans Eaton

bicornis (Rafinesque) Nieuwland [Hinds & Freeman 2005; W&S]

pinkweed

Persicaria longistyla (Small) Small

Polygonum bicorne Rafinesque

Polygonum longistylum Small

coccinea (Muhlenberg) Greene = Persicaria amphibia (Linnaeus) S.F. Gray

hartwrightii (Gray) Greene = Persicaria amphibia (Linnaeus) S.F. Gray

hydropiper (Linnaeus) Spach [Hinds & Freeman 2005]

water pepper

Polygonum hydropiper Linnaeus

hydropiperoides (Michaux) Small : Reported as expected or probable by M&H; the documentation in Kartesz (1999, based on Stanford 1927) is inconclusive; awaits verification.

Polygonum hydropiperoides Michaux

incarnata (Elliott) Small = Persicaria lapathifolia (Linnaeus) Gray

muhlenbergia (Meisner) S. Watson = Persicaria amphibia (Linnaeus) S.F. Gray

****lapathifolia*** (Linnaeus) Gray [Hinds & Freeman 2005; M&H; W&S]

dock-leaf smartweed

Persicaria incarnata (Elliott) Small

Polygonum incarnatum Elliott

Polygonum lapathifolium Linnaeus

longistyla (Small) Small = Persicaria bicornis (Rafinesque) Nieuwland

****maculosa*** Gray [Hinds & Freeman 2005; M&H; W&S]

lady's-thumb

Persicaria persicaria (Linnaeus) Small

Persicaria vulgaris Webb & Moquin-Tandon

Polygonum persicaria Linnaeus

pensylvanica (Linnaeus) M. Gomez [Hinds & Freeman 2005; W&S]

Pennsylvania smartweed
Polygonum pensylvanicum Linnaeus
persicaria (Linnaeus) Small = Persicaria maculosa Gray
punctata (Elliott) Small [Hinds & Freeman 2005; M&H; W&S]
dotted smartweed
Polygonum punctatum Elliott
vulgaris Webb & Moquin-Tandon = Persicaria maculosa Gray

Polygonella jointweed

Horton, J.H. 1963. A taxonomic revision of *Polygonella* (Polygonaceae). Brittonia 15:177-203.

americana (Fischer & Meyer) Small [M&H; W&S]
southern jointweed
Gonopyrum americanum Fischer & Meyer

Polygonum knotweed, smartweed

Costea, M. & F.J. Tardif. 2003. Typification, taxonomy, and a new subspecies of *Polygonum sawatchense* (Polygonaceae) from North America. Sida 20(4):1631-1640.
Costea, M., F.J. Tardif, & H.R. Hinds. 2005. *Polygonum*, p. 547-571. IN: Flora of North America, vol. 5, pt. 2. Oxford University Press, New York.
Great Plains Flora Association. 1977. Atlas of the Flora of the Great Plains. Iowa State Univ. Press. 600 pp. [*Polygonum arenastrum*]
Hickman, J.C. 1984. Nomenclatural changes in *Persicaria*, *Polygonum*, and *Rumex* (Polygonaceae). Madroño 31(4): 249-252.
McDonald, C.B. 1980. A biosystematic study of the *Polygonum hydropiperoides* (Polygonaceae) complex. Amer. J. Bot. 67:664-670.
Mertens, T.R. & P.H. Raven. 1965. Taxonomy of *Polygonum*, section *Polygonum* (*Avivulare*) in North America. Madroño 18:85-92.
Mitchell, R.A. 1968. Variation in the *Polygonum amphibium* complex and its taxonomic significance. Univ. Calif. Publ. Bot. 45:1-65.
Ronse Decraene, L.P. Akeroyd, J.R. 1988. Generic limits in *Polygonum* and related genera (Polygonaceae) on the basis of floral characters. Bot. J. Linn. Soc. 98:321-371.
Wolf, S.J. & J. McNeil. 1986. Synopsis and achene morphology of *Polygonum* section *Polygonum* (Polygonaceae) in Canada. Rhodora 88:457-479.

amphibium Linnaeus var. *emersum* Michaux = Persicaria amphibia (Linnaeus) S.F. Gray
amphibium Linnaeus var. *stipulaceum* (Coleman) Fernald = Persicaria amphibia (Linnaeus) S.F. Gray
****arenastrum*** Jordan ex Boreau [Great Plains Flora Association 1977]
oval-leaf knotweed
****argyrocoleon*** Steudel ex Kunze [M&H]
silver-sheath knotweed
aubertii L. Henry = Persicaria baldschuanica (Regel) Holub
****aviculare*** Linnaeus [M&H; W&S]
yard knotweed
Polygonum buxiforme Small
*bellardii Allioni : Reported for NM by Kartesz (1999), but documentation inconclusive; awaits verification.
bicorne Rafinesque = Pericaria bicornis (Rafinesque) Nieuwland
bistortoides Pursh = Bistorta bistortoides (Pursh) Small
buxiforme Small = Polygonum aviculare Linnaeus
caespitosum Blume var. longisetum (deBruyn) A.N. Steward : Reported for NM by Kartesz (1999), but apparently from mistaken data.
coccineum Muhlenberg = Persicaria amphibia (Linnaeus) S.F. Gray
confertiflorum Nuttall ex Piper = Polygonum polygaloides Wallich ex Meisner subsp. confertiflorum (Nuttall ex Piper) Hickman
convolvulus Linnaeus = convolvulus (Linnaeus) A. Löve
douglasii Greene [M&H; W&S]
Douglas's knotweed
Polygonum douglasii Greene var. *latifolium* (Engelmann) Greene
Polygonum douglasii Greene var. *montanum* Small
Polygonum montanum (Small) Greene
Polygonum tenue Michaux var. *latifolium* Engelmann
douglasii Greene subsp. *johnstonii* (Munz) Hickman = Polygonum sawatchense Small
douglasii Greene var *johnstonii* Munz = Polygonum sawatchense Small
douglasii Greene var. *latifolium* (Engelmann) Greene = Polygonum douglasii Greene
douglasii Greene var. *montanum* Small = Polygonum douglasii Greene
erectum Linnaeus [M&H; W&S]
erect knotweed
hartwrightii Gray = Persicaria amphibia (Linnaeus) S.F. Gray
hydropiper Linnaeus = Persicaria hydropiper (Linnaeus) Spach
hydropiperoides Michaux (=Persicaria hydropiperoides (Michaux) Small) : Reported as expected or probable by M&H; the documentation in Kartesz (1999, based on Stanford 1927) is inconclusive; awaits verification.
incarnatum Elliott = Persicaria lapathifolia (Linnaeus) Gray
lapathifolium Linnaeus = Persicaria lapathifolia (Linnaeus) Gray
longistylum Small = Persicaria bicornis (Rafinewaue) Nieuwland
montanum (Small) Greene = Polygonum douglasii Greene
natans Eaton = Persicaria amphibia (Linnaeus) S.F. Gray
pensylvanicum Linnaeus = Persicaria pensylvanica (Linnaeus) M. Gomez
persicaria Linnaeus = Persicaria maculosa Gray
polygaloides Wallich ex Meisner subsp. ***confertiflorum*** (Nuttall ex Piper) Hickman [M&H; W&S]
white-margin knotweed
Polygonum confertiflorum Nuttall ex Piper
Polygonum watsonii Small

punctatum Elliott = Persicaria punctata (Elliott) Small
ramosissimum Michaux [M&H; W&S]
yellow-flower knotweed
sawatchense Small [M&H; W&S]
Sawatch knotweed
Polygonum douglasii Greene subsp. *johnstonii* (Munz) Hickman
Polygonum douglasii Greene var *johnstonii* Munz
viviparum Linnaeus = Bistorta vivipara (Linnaeus) S.F. Gray
tenue Michaux var. *latifolium* Engelmann = Polygon douglasii Greene
tomentosum Willdenow = Persicaria lapathifolia (Linnaeus) Gray
watsonii Small = Polygonum polygaloides Wallich ex Meisner subsp. confertiflorum (Nuttall ex Piper) Hickman

Pterostegia threadstem

Reveal, J.L. 1989. Remarks on the genus *Pterostegia* (Polygonaceae: Eriogonoideae). Phytologia 66(30:228-235. [*Pterostegia drymarioides*]

drymarioides Fischer & C.A. Meyer [Reveal 1989]
woodland threadstem

Rumex dock

Allred, K.W. 1998. New plant distribution records. The New Mexico Botanist 7:6. [*Rumex pulcher*]
Mosyakin, S.L. 2005. *Rumex*, pp. 489-533. IN: Flora of North America, vol. 5, pt. 2. Oxford University Press, New York.
Rechinger, K.H., Jr. 1937. The North American species of *Rumex*. Field Mus. Nat. Hist. Bot. Ser. Publ. 386.
Tidestrom, I. & T. Kittell. 1941. A Flora of Arizona and New Mexico. The Catholic University of America Press, Washington, D.C. 897 pp. [*Rumex patentia*]

****acetosella*** Linnaeus [M&H; Rechinger 1937; W&S]
sheep sorrel
altissimus Wood [M&H; Rechinger 1937; W&S]
pale dock
Rumex ellipticus Greene
aquaticus Linnaeus var. *fenestratus* (Greene) Dorn = Rumex occidentalis S. Watson
britannica sensu W&S = Rumex patientia Linnaeus
californicus K.H. Rechinger [M&H]
willow dock
Rumex salicifolius Weinmann var. *denticulatus* Torrey
conglomeratus Murray : Reported as expected by M&H; awaits verification.
****crispus*** Linnaeus subsp. ***crispus*** [M&H; Rechinger 1937; W&S]
curly dock
densiflorus Osterhout [M&H]
dense-flower dock
digynus Linnaeus = Oxyria digyna (Linnaeus) Hill
ellipticus Greene = Rumex altissimus Wood
fueginus Philippi = Rumex maritimus Linnaeus
hastatulus Baldwin [M&H; Rechinger 1937]
heart-wing sorrel
hymenosepalus Torrey [M&H; Rechinger 1937; W&S]
cañaigre, sand dock
maritimus Linnaeus [Rechinger 1937; M&H; W&S]
golden dock
Rumex fueginus Philippi
Rumex persicarioides Linnaeus
mexicanus Meisner [M&H; Rechinger 1937; W&S]
mexican dock
Rumex salicifolius Weinmann var. *mexicanus* (Meisner) C.L. Hitchcock
nematopodus K.H. Rechinger [M&H]
Arizona dock
****obtusifolius*** Linnaeus [M&H; Rechinger 1937; W&S]
bitter dock
occidentalis S. Watson [M&H; Rechinger 1937; W&S]
western dock
Rumex aquaticus Linnaeus var. *fenestratus* (Greene) Dorn
orthoneurus K.H. Rechinger [M&H]
Chiricahua dock
****patientia*** Linnaeus [Tidestrom & Kittell 1941; W&S]
patience dock
Rumex britannica sensu W&S
persicarioides Linnaeus = Rumex maritimus Linnaeus
****pulcher*** Linnaeus [Allred 1998]
fiddle dock
salicifolius Weinmann var. *denticulatus* Torrey = Rumex californicus K.H. Rechinger
salicifolius Weinmann var. *mexicanus* (Meisner) C.L. Hitchcock = Rumex mexicanus Meisner

stenophyllus Ledebour [Allred 2005; Mosyakin 2005]
narrowleaf dock
+***tomentellus*** K.H. Rechinger [M&H]
wooly dock
triangulivalvis (Danser) K.H. Rechinger [Mosyakin 2005]
white dock
venosus Pursh [M&H]
veiny dock
verticillatus Linnaeus [M&H]
swamp dock
violascens K.H. Rechinger [M&H; Rechinger 1937]
violet dock

Stenogonum buckwheat

Reveal, J.L. & B.J. Ertter. 1977. Re-establishment of *Stenogonum* (Polygonaceae). Great Basin Naturalist 36:272-280.
Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Stenogonum flexum*]

flexum (M.E. Jones) Reveal & J.T. Howell [Spellenberg et al. 1986]
bent buckwheat
Eriogonum flexum M.E. Jones
salsuginosum Nuttall [M&H; W&S]
smooth buckwheat
Eriogonum salsuginosum (Nuttall) Hooker

Family PORTULACACEAE

Packer, J.G. 2003. Portulaceae, pp. 457-504. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

Calandrinia redmaids

Kelley, W.A. 2003. *Calandrinia*, pp. 459-460. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
Wagner, W.L. 1979. New records to the Animas Mountain flora, New Mexico. Southw. Naturalist 24(2):291-296. [*Calandrinia ciliata*]

arizonica Rydberg = Calandrinia ciliata (Ruiz & Pavon) A.P. de Candolle
ciliata (Ruiz & Pavon) A.P. de Candolle [Kelley 2003; M&H; Wagner 1979]
fringed redmaids
Calandrinia arizonica Rydberg
Calandrinia ciliata (Ruiz & Pavon) A.P. de Candolle var. *menziesii* (Hooker) Macbride

Calyptridium pussypaws

monandrum Nuttall [M&H]
pussypaws

Claytonia spring-beauty

Halleck, D.K. & D. Wiens. 1966. Taxonomic status of *Claytonia rosea* and *C. lanceolata* (Portulaceae). Ann. Missouri Bot. Gard. 53(2):205-212. [*Claytonia rosea*]
Miller, J.M. 2003. *Claytonia*, pp. 465-475. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
Miller, J.M. & K.L. Chambers. 2006. Systematics of Claytonia (Portulacaceae). Syst. Bot. Monographs 78:1-236.

chamissoi Ledebour = Montia chamissoi (Ledebour ex Sprengel) Durand & Jackson
lanceolata Pallas ex Pursh [M&H; Miller 2003; W&S]
lance-leaf spring-beauty
megarhiza (Gray) Parry ex S. Watson [M&H; Miller 2003; W&S]
alpine spring-beauty
perfoliata Donn ex Willdenow subsp. ***mexicana*** (Rydberg) J.M. Miller [Miller 2003]
Mexican miner's-lettuce
rosea Rydberg [Halleck & Wiens 1966; Miller 2003]
western spring-beauty

Crunocallis chamissonis (Ledebour) Rydberg = Montia chamissoi (Ledebour) Durand & Jackson

Lewisia bitter-root

Abrams, L. 1940-1960. An illustrated flora of the Pacific States, Washington, Oregon, and California. 4 vols. Stanford, Stanford Univ. Press.
Hershkovitz, M.A. & S.B. Hogan. 2003. *Lewisia*, pp. 476-4485. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
Matthew, B. 1989. The Genus *Lewisia*. Royal Botanic Gardens, Kew. 151 pp. [*Lewisia pygmaea*]

brachycalyx Engelmann ex Gray : Matthews (1989) noted that plants attributed to NM by Abrams (1940-1960) were probably collected in Arizona; awaits verification.
pygmaea (Gray) Robinson var. *nevadensis* (Gray) Fosberg = Lewisia nevadensis (Gray) Robinson
nevadensis (Gray) Robinson [Hershkovitz & Hogan 2003; M&H; W&S]
Nevada bitter-root
Lewisia pygmaea (Gray) Robinson var. *nevadensis* (Gray) Fosberg
Oreobroma nevadense (Gray) Howell
pygmaea (Gray) B.L. Robinson [Hershkovitz & Hogan 2003; Matthew 1989]
alpine bitter-root

Montia miner's-lettuce

Miller, J.M. 2003. *Montia*, pp. 485-488. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

chamissoi (Ledebour ex Sprengel) Durand & Jackson [M&H; Miller 2003; W&S]

miner's-lettuce
Claytonia chamissoi Ledebour
Crunocallis chamissonis (Ledebour) Rydberg
perfoliata (Donn ex Willdenow) Howell = Claytonia perfoliata Donn ex Willdenow
Oreobroma nevadense (Gray) Howell = Lewisia nevadensis (Gray) Robinson

Phemeranthus flameflower

Kiger, R.W. 2003. *Phemeranthus*, pp. 488-495. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

aurantiacus (Engelmann) Kiger = *Talinum aurantiacum* Engelmann
brevicaulis (S. Watson) Kiger [Kiger 2003; M&H; W&S]
showy flameflower
Talinum brevicaule S. Watson
Talinum eximium A. Nelson
Talinum pulchellum Wooton & Standley
Talinum youngiae C.H. Muller
brevifolius (Torrey) Hershkovitz [Kiger 2003; M&H; W&S]
pygmy flameflower
Talinum brevifolium Torrey
confertiflorus (Greene) Hershkovitz [M&H; W&S]
New Mexico flameflower
Talinum confertiflorum Greene
Talinum fallax von Poellnitz
Talinum gooddingii P. Wilson
Talinum gracile Rose & Standley (non Colla 1833)
Talinum rosei P. Wilson
humilis (Greene) Kiger [Kiger 2003; M&H; W&S]
Pinos Altos flameflower
Talinum humile Greene
longipes (Wooton & Standley) Kiger [Kiger 2003; M&H; W&S]
Tortugas flameflower
Talinum longipes Wooton & Standley
marginatus (Greene) Kiger = Phemeranthus parvulus (Rose & Standley) ined.
parviflorus (Nuttall) Kiger : Not yet known in NM; our material previously referred to this name belongs to Phemeranthus confertiflorus (Greene) Hershkovitz (Ferguson 2001)
parvulus (Rose & Standley) ined. [Allred 2002] Note: The combination has not yet been made in Phemeranthus, and is not herein effected. The parvulus epithet was published in 1911, marginatus in 1912.
bottle-leaf fameflower
Phemeranthus marginatus (Greene) Kiger
Talinum parvulum Rose & Standley
Talinum marginatum Greene
validulus (Greene) Kiger [Kiger 2003]
stalked flameflower
Talinum validulum Greene

Portulaca purslane

Danin, Auinoam, I. Baker, & H. Baker. 1978. Cytogeographiy and taxonomy of the *Portulaca oleracea* L. polyploid complex. Israel J. Bot. 27:177-211.
Matthews, J.F. 2003. *Portulaca*, pp. 496-501. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.
Matthews, J.F. & D.W. Ketron. 1991. Two new combinations in *Portulaca* (Portulacaceae). Castanea. 56(4): 304-305.
Matthews, J.F., D.W. Ketron, & S.F. Zane. 1992. The reevaluation of *Portulaca pilosa* and *P. mundula* (Portulaceae). Sida 15:71-89.
Matthews, J.F., D.W. Ketron, & S.F. Zane. 1992. *Portulaca umbraticola* Kunth (Portulacaceae) in the United States. Castanea 57(3): 202-208.
Matthews, J.F., D.W. Ketron, & S.F. Zane. 1993. The biology and taxonomy of the *Portulaca oleracea* L. (Portulacaceae) complex in North America. Rhodora 95(882): 166-183.

coronata Small = Portulaca umbraticola Kunth subsp. lanceolata (Engelmann) Matthews
****grandiflora*** Hooker [Matthews 2003]
moss-rose
halimoides Linnaeus [M&H; Matthews 2003; W&S]
silk-cotton purslane
Portulaca parvula Gray
lanceolata Engelmann = Portulaca umbraticola Kunth subsp. lanceolata (Engelmann) Matthews
mundula I.M. Johnston = Portulaca pilosa Linnaeus
****oleracea*** Linnaeus subsp. ***impolita*** Danin & H.G. Baker [Danin et al. 1978]
garden purslane, hogweed
****oleracea*** Linnaeus subsp. ***oleracea*** [M&H; Matthews 2003; W&S]
garden purslane, hogweed
Portulaca retusa Engelmann
****oleracea*** Linnaeus subsp. ***papillito-stellulata*** Danin & H.G. Baker [Danin et al. 1978]
garden purslane, hogweed
paniculata Jacquin = Talinum paniculatum (Jacquin) Gaertner
parvula Gray = Portulaca halimoides Linnaeus

pilosa Linnaeus [M&H; Matthews 2003; W&S]
kiss-me-quick
Portulaca mundula I.M. Johnston
retusa Engelmann = Portulaca oleracea Linnaeus subsp oleracea
suffrutescens Engelmann [M&H; Matthews 2003; W&S]
shrubby purslane
umbraticola Kunth subsp. ***lanceolata*** (Engelmann) Matthews [M&H; Matthews 2003; W&S]
Chinese hats
Portulaca coronata Small
Portulaca lanceolata Engelmann

Talinopsis fameflower

Kiger, R. 2003. *Talinopsis*, pp. 501-502. IN: Flora of North America, vol. 4, pt. 1. Oxford University Press, New York.

frutescens Gray [Kiger 2003; M&H; W&S]
arroyo fameflower

Talinum fameflower

Allred, K.W. 2002. Plant distribution reports. The New Mexico Botanist 24:7. [*Talinum parvulum*]
Carter, M.E.B. & W.H. Murdy. 1985. Systematics of *Talinum parviflorum* Nutt, and the origin of *Talinum teretifolium* Pursh (Portulacaceae). Rhodora 87(850): 121-130.
Ferguson, D.J. 2001. *Phemeranthus* and *Talinum* (Portulacaceae) in New Mexico. The New Mexico Botanist 20:1-7.
Hershkovitz, M.A. 1991. Taxonomic notes on *Cistanthe*, *Calandrinia*, and *Talinum* (Portulacaeae). Phytologia 70(3): 209-225.
Poellnitz, K. von. 1934. Monographie der Gattung *Talinum*. Adans. Repert. Sp. Nov. 35:1-34.

angustissimum (Gray) Wooton & Standley = Talinum polygaloides Gillies ex Arnott
aurantiacum Engelmann [M&H; W&S]
orange fameflower
Phemeranthus aurantiacus (Engelmann) Kiger
+brachypodum S. Watson [W&S]
Laguna fameflower
brevicaule S. Watson = Phemeranthus brevicaulis (S. Watson) Kiger
brevifolium Torrey = Phemeranthus brevifolius (Torrey) Hershkovitz
calycinum Engelmann in Wislizenus : Reported for NM by von Poellnitz (1934) based on a misinterpretation of the type locality; the original collection was along the Cimarron River in Oklahoma.
chrysanthum Rose & Standley =Talinum spathulatum Engelmann
confertiflorum Greene = Phemeranthus confertiflorus (Greene) Hershkovitz
eximium A. Nelson = Phemeranthus brevicaulis (S. Watson) Kiger
fallax von Poellnitz = Phemeranthus confertiflorus (Greene) Hershkovitz
****fruiticosum*** (Linnaeus) Willdenow [Ferguson 2001]
verdolaga-Francesca
gooddingii Wilson = Phemeranthus confertiflorus (Greene) Hershkovitz
gracile Rose & Standley, non Colla 1833 = Phemeranthus confertiflorus (Greene) Hershkovitz
humile Greene = Phemeranthus humilis (Greene) Kiger
longipes Wooton & Standley = Phemeranthus longipers (Wooton & Standley) Kiger
marginatum Greene = Phemeranthus parvulus (Rose & Standley) ined.
paniculatum (Jacquin) Gaertner [Kiger 2003; M&H; W&S] Note: Ferguson (2001) proposed that NM material belongs to an as yet undescribed species; we will use the name Talinum paniculatum (Jacquin) Gaertner until the situation is clarified.
pink baby's-breath
Portulaca paniculata Jacquin
parvulum Rose & Standley = Phemeranthus parvulus (Rose & Standley) ined.
parviflorum Nuttall [=Phemeranthus parviflorus (Nuttall) Kiger] : Not yet known in NM; our material referred to this name belongs to Phemeranthus confertiflorus (Greene) Hershkovitz (Ferguson 2001).
polygaloides Gillies ex Arnott [Ferguson 2001; M&H; W&S]
yellow fameflower
Talinum angustissimum (Gray) Wooton & Standley
pulchellum Wooton & Standley = Phemeranthus brevicaulis (S. Watson) Kiger
rosei P. Wilson = Phemeranthus confertiflorus (Greene) Hershkovitz
spathulatum Engelmann ex A. Gray [Ferguson 2001]
yellow baby's-breath
whitei I.M. Johnston [Ferguson 2001]
Madrean fameflower
youngiae C.H. Muller = Phemeranthus brevicaulis (S. Watson) Kiger

Family PRIMULACEAE

Cholewa, A.F. 1992. Primulaceae. J. Ariz.-Nev. Acad. Sci. 26(1):17-21.

Anagallis pimpernel

****arvensis*** Linnaeus subsp. ***arvensis*** [M&H; W&S]
scarlet pimpernel
minima (Linnaeus) Krause = Centunculus minimus Linnaeus

Androsace rock-jasmine

Robbins, G.T. 1944. North American species of *Androsace*. Amer. Midl. Naturalist 32:137-163.
Wooton, E.O. & P.C. Standley. 1907. The genus *Androsace* in New Mexico. Bull. Torrey Bot. Club 34:517-520.

arizonica Gray = Androsace occidentalis Pursh
carinata Torrey = Androsace chamaejasme Wulfen subsp. carinatus (Torrey) Hultén
chamaejasme Wulfen subsp. ***carinatus*** (Torrey) Hultén [M&H; W&S]
sweet rock-jasmine
Androsace carinata Torrey
Drosace carinata (Torrey) A. Nelson
diffusa Small = Androsace septentrionalis Linnaeus
glandulosa Wooton & Standley = Androsace septentrionalis Linnaeus
occidentalis Pursh [M&H; W&S]
western rock-jasmine
Androsace arizonica Gray
Androsace occidentalis Pursh var. *arizonica* (Gray) St. John
Androsace platysepala Wooton & Standley
occidentalis Pursh var. *arizonica* (Gray) St. John = Androsace occidentalis Pursh
pinetorum Greene = Androsace septentrionalis Linnaeus
platysepala Wooton & Standley = Androsace occidentalis Pursh
puberulenta Rydberg = Androsace septentrionalis Linnaeus
septentrionalis Linnaeus [M&H; W&S]
northern rock-jasmine
Androsace diffusa Small
Androsace glandulosa Wooton & Standley
Androsace pinetorum Greene
Androsace puberulenta Rydberg
Androsace septentrionalis Linnaeus var. *glandulosa* (Wooton & Standley) St. John
Androsace septentrionalis Linnaeus var. *puberulenta* (Rydberg) Knuth
Androsace septentrionalis Linnaeus var. *subulifera* Gray
Androsace septentrionalis Linnaeus var. *subumbellata* A. Nelson
Androsace subulifera (Gray) Greene
Androsace subumbellata (A. Nelson) Small
septentrionalis Linnaeus var. *glandulosa* (Wooton & Standley) St. John = Androsace septentrionalis Linnaeus
septentrionalis Linnaeus var. *puberulenta* (Rydberg) Knuth = Androsace septentrionalis Linnaeus
septentrionalis Linnaeus var. *subulifera* Gray = Androsace septentrionalis Linnaeus
septentrionalis Linnaeus var. *subumbellata* A. Nelson = Androsace septentrionalis Linnaeus
subulifera (Gray) Greene = Androsace septentrionalis Linnaeus
subumbellata (A. Nelson) Small = Androsace septentrionalis Linnaeus

Centunculus
****minimus*** Linnaeus [M&H]
chaffweed
Anagallis minima (Linnaeus) Krause

Dodecatheon shooting-star
Holmgren, N.H. 1994. Redefinition of *Dodecatheon dentatum* (Primulaceae) and rationale for use of varietal rank. Brittonia 46(2):87-94.
ellisiae Standley = Dodecatheon dentatum Hooker var. ellisiae (Standley) N. Holmgren
dentatum Hooker var. ***ellisiae*** (Standley) N. Holmgren [Homgren 1994; M&H; W&S]
white shooting-star
Dodecatheon ellisiae Standley
Primula standleyana A.R. Mast & Reveal
pulchellum (Rafinesque) Merrill [M&H; W&S]
shooting-star
Dodecatheon radicatum Greene
radicatum Greene = Dodecatheon pulchellum (Rafinesque) Merrill

Drosace carinata (Torrey) A. Nelson = Androsace chamaejasme Wulfen subsp. carinatus (Torrey) Hultén

Glaux sea-milkwort
Reeves, T. 2000. New plant distribution records. The New Mexico Botanist 16:7. [*Glaux maritima*]
maritima Linnaeus [Reeves 2000]
sea-milkwort

Lysimachia yellow-loosestrife
Coffey, V.J. & S.B. Jones, Jr. 1980. Biosystematics of *Lysimachia* section *Seleucia* (Primulaceae). Brittonia 32(3):309-322.
ciliata Linnaeus [M&H; W&S]
fringed yellow-loosestrife
Steironema ciliatum (Linnaeus) Rafinesque
ciliata Linnaeus var. *validula* (Greene) Kearney & Peebles = Lysimachia hybrida Michaux
hybrida Michaux [Coffey & Jones 1980; M&H; W&S]
lowland yellow-loosestrife
Lysimachia ciliata Linnaeus var. *validula* (Greene) Kearney & Peebles
Steironema validulum Greene

Primula primrose

angustifolia Torrey [M&H; W&S]
alpine primrose
ellisiae Pollard & Cockerell [M&H; W&S]
Ellis's primrose
Primula rusbyi Greene var. *ellisiae* (Pollard & Cockerell) L.O Williams
parryi Gray [M&H; W&S]
Parry's primrose
rusbyi Greene [M&H; W&S]
Rusby's primrose
rusbyi Greene var. *ellisiae* (Pollard & Cockerell) L.O. Williams = Primula ellisiae Pollard & Cockerell
standleyana A. R. Mast & Reveal = Dodecatheon ellisiae Standley

Samolus brookweed

Henrickson, J. 1983. A revision of *Samolus ebracteatus* (sensu lato) (Primulaceae). Southw. Naturalist 28(3):303-314.

cuneatus Small = Samolus ebracteatus Humboldt, Bonpland, & Kunth var. cuneatus (Small) Henrickson
ebracteatus Humboldt, Bonpland, & Kunth var. ***cuneatus*** (Small) Henrickson [Henrickson 1983; M&H; W&S]
limey brookweed
Samolus cuneatus Small
ebracteatus Humboldt, Bonpland, & Kunth var. ebracteatus : Reported by M&H, but not yet known from NM (Henrickson 1983).
valerandi Linnaeus [M&H; W&S]
sea-side brookweed
Samolus floribundus Humboldt, Bonpland, & Kunth
floribundus Humboldt, Bonpland, & Kunth = Amolus valerandi Linnaeus

Steironema ciliatum (Linnaeus) Rafinesque = Lysimachia ciliata Linnaeus
validulum Greene = Lysimachia hybrida Michaux

Family RAFFLESIACEAE

Pilostyles stemsucker

Rose, J.N. 1909. Rafflesiaceae. The North American species of *Pilostyles*, pp. 262-265. IN: Studies of Mexican and Central American Plants, No. 6. Contr. U.S. Natl. Herb. 12:259-302.
Yatskievych, G. 1994. Rafflesiaceae. J. Ariz.-Nev. Acad. Sci. 27(2):239.

thurberi Gray [M&H]
stem-sucker

Family RANUNCULACEAE

Aconitum monk's-hood

Brink, D.E. & J.A. Woodson 1997. *Aconitum*, pp. 191-195. IN: Flora of North America, vol. 3. Oxford University Press.

arizonicum Greene = Aconitum columbianum Nuttall subsp. columbianum
bakeri Greene = Aconitum columbianum Nuttall subsp. columbianum
columbianum Nuttall var. *bakeri* (Greene) Harrington = Aconitum columbianum Nuttall subsp. columbianum
columbianum Nuttall subsp. ***columbianum*** [Brink 1997; M&H; W&S]
monk's-hood
Aconitum arizonicum Greene
Aconitum bakeri Greene
Aconitum columbianum Nuttall var. *bakeri* (Greene) Harrington
Aconitum lutescens A. Nelson
Aconitum mogollonicum Greene
Aconitum porrectum Rydberg
Aconitum robertianum Greene
lutescens A. Nelson = Aconitum columbianum Nuttall subsp. columbianum
mogollonicum Greene = Aconitum columbianum Nuttall subsp. columbianum
porrectum Rydberg = Aconitum columbianum Nuttall subsp. columbianum
robertianum Greene = Aconitum columbianum Nuttall subsp. columbianum

Actaea baneberry

Ford, B.A. 1997. *Actaea*, pp. 181-183. IN: Flora of North America, vol. 3. Oxford University Press.

arguta Nuttall = Actaea rubra (Aiton) Willdenow
arguta Nuttall var. *viridiflora* (Greene) Tidestrom = Actaea rubra (Aiton) Willdenow
rubra (Aiton) Willdenow subsp. ***arguta*** (Nuttall) Hultén [Ford 1997; M&H; W&S]
red baneberry
Actaea arguta Nuttall
Actaea arguta Nuttall var. *viridiflora* (Greene) Tidestrom
Actaea viridiflora Greene
viridiflora Greene = Actaea rubra (Aiton) Willdenow subsp. arguta (Nuttall) Hultén

Anemone thimbleweed

Dutton, B.E., C.S. Keener, & B.A. Ford. 1997. *Anemone*, pp. 139-158. IN: Flora of North America, vol. 3. Oxford University Press.
Enquist, M. and B. Crozier. 1995. *Anemone tuberosa* (Ranunculaceae) in Texas. Phytologia 78(6):428-445.

canadensis Linnaeus [Dutton & Keener 1997; M&H; W&S]
Canada thimbleweed

cylindrica Gray [Dutton & Keener 1997; M&H; W&S]
long-head thimbleweed
globosa Nuttall ex A. Nelson = Anemone multifida Poiret
multifida Poiret [Dutton & Keener 1997; M&H; W&S]
red windflower
Anemone globosa Nuttall ex A. Nelson
patens Linnaeus var. *multifida* Pritzel = Pulsatilla patens (Linnaeus) P. Miller subsp. multifida (Pritzel) Zamelis
patens Linnaeus var. *wolfgangiana* (Besser) Koch = Pulsatilla patens (Linnaeus) P. Miller subsp. multifida (Pritzel) Zamelis
sphenophylla of NM authors = Anemone tuberosa Rydberg
tuberosa Rydberg var. ***tuberosa*** [Dutton & Keener 1997; M&H; W&S]
desert thimbleweed
Anemone sphenophylla of NM authors
tuberosa Rydberg var. ***texana*** Enquist & Crozier [Enquist & Crozier 1995]
desert thimbleweed

Aquilegia columbine

Whittemore, A.T. 1997. *Aquilegia*, pp. 249-258. IN: Flora of North America, vol. 3. Oxford University Press.

chaplinei Standley ex Payson [M&H; Whittemore 1997]
Chapline's columbine
Aquilegia chrysantha Gray var. *chaplinei* (Standley ex Payson) E.J. Lott
chrysantha Gray [M&H; W&S; Whittemore 1997]
golden columbine
Aquilegia leptocera Nuttall var. *flava* Gray
chrysantha Gray var. *chaplinei* (Standley ex Payson) E.J. Lott = Aquilegia chaplinei Standley ex Payson
coerulea James [M&H; W&S; Whittemore 1997]
Colorado blue columbine
desertorum (M.E. Jones) Cockerell ex A. Heller [M&H; Whittemore 1997]
desert columbine
Aquilegia triternata Payson
elegantula Greene [M&H; W&S; Whittemore 1997]
red columbine
formosa Fischer : Reported by W&S, but not known from NM; perhaps referred to Aquilegia desertorum, which was first named as a variety of A. formosa (M&H; Whittemore 1997).
leptocera Nuttall var. *flava* Gray = Aquilegia chrysantha Gray
micrantha Eastwood : Reported as expected by M&H; awaits verification.
Aquilegia rubricunda Tidestrom
rubricunda Tidestrom = Aquilegia micrantha Eastwood
triternata Payson = Aquilegia desertorum (M.E. Jones) A. Heller

Atragene pseudoalpina (Kuntze) Rydberg = Clematis columbiana (Nuttall) Torrey & Gray
Batrachium drouetii (F. Schultz) Nyman = Ranunculus aquatilis Linnaeus var. diffusus Withering
flaccidum (Persoon) Ruprecht = Ranunculus aquatilis Linnaeus var. diffusus Withering
trichophyllum (Chaix) Bosch = Ranunculus aquatilis Linnaeus var. diffusus Withering

Caltha marsh-marigold

Smit, P.G. 1973. A revision of *Caltha* (Ranunculaceae). Blumea 21:119-150.

leptosepala A.P. de Candolle [M&H; Smit 1973; W&S]
white marsh-marigold
Caltha leptosepala A.P. de Candolle var. *rotundifolia* Huth
Caltha rotundifolia (Huth) Greene
leptosepala A.P. de Candolle var. *rotundifolia* Huth = Caltha leptosepala A.P. de Candolle
rotundifolia (Huth) Greene = Caltha leptosepala A.P. de Candolle

Ceratocephala testiculata (Crantz) Besser = Ranunculus testiculatus Crantz

Clematis virgin's-bower

Cockerell, T.D.A. 1899. An alien *Clematis* in New Mexico. Science (new series) 10:898-899. [*Clematis orientalis*]
Dennis, W.M. 1979. *Clematis pitcheri* T. & G. var. *dictyota* (Greene) Dennnis, comb. nov. (Ranunculaceae). Sida 8(2):194-195.
Pringle, J. 1997. *Clematis*, pp. 158-176. IN: Flora of North America, vol. 3. Oxford University Press.

arizonica Heller = Clematis hirsutissima Pursh var. hirsutissima
bakeri Greene = Clematis hirsutissima Pursh var. hirsutissima
bigelovii Torrey [M&H; Pringle 1997; W&S]
Bigelow's leatherflower
Clematis palmeri Rose
Viorna bigelovii (Torrey) Heller
Viorna palmeri (Rose) Wooton & Standley
columbiana (Nuttall) Torrey & Gray [M&H; Pringle 1997; W&S]
Columbian virgin's-bower
Clematis pseudoalpina (Kuntze) A. Nelson
Atragene pseudoalpina (Kuntze) Rydberg
crux-flava Cockerell = Clematis orientalis Linnaeus
drummondii Torrey & Gray [M&H; Pringle 1997; W&S]

Drummond's virgin's-bower

hirsutissima Pursh var. *arizonica* (Heller) Erickson = Clematis hirsutissima Pursh var. hirsutissima

hirsutissima Pursh var. ***hirsutissima*** [M&H; Pringle 1997; W&S]

sugarbowls

Clematis arizonica Heller
Clematis bakeri Greene
Clematis hirsutissima Pursh var. *arizonica* (Heller) Erickson
Viorna arizonica Heller
Viorna bakeri (Greene) Rydberg
Viorna eriophora Rydberg
Viorna hirsutissima (Pursh) Heller

hirsutissima Pursh var. ***scottii*** (Porter) Erickson [M&H; Pringle 1997; W&S]

Scott's sugarbowls

Clematis scottii Porter
Viorna scottii (Porter) Rydberg

ligusticifolia Nuttall [M&H; Pringle 1997; W&S]

traveler's-joy

Clematis neomexicana Wooton & Standley

neomexicana Wooton & Standley = Clematis ligusticifolia Nuttall

****orientalis*** Linnaeus [Cockerell 1899; Pringle 1997; M&H; W&S]

oriental virgin's-bower

Clematis crux-flava Cockerell

palmeri Rose = Clematis bigelovii Torrey

pitcheri Torrey & Gray var. ***dictyota*** (Greene) Dennis [Pringle 1997]

bluebill

pitcheri Torrey & Gray var. *filifera* (Bentham) Robinson = Clematis pitcheri Torrey & Gray var. pitcheri

pitcheri Torrey & Gray var. ***pitcheri*** [M&H; Pringle 1997; W&S]

bluebill

Clematis pitcheri Torrey & Gray var. *filifera* (Bentham) Robinson
Viorna filifera (Bentham) Wooton & Standley

pseudoalpina (Kuntze) A. Nelson = Clematis columbiana (Nuttall) Torrey & Gray

scottii Porter = Clematis hirsutissima Pursh var. scottii (Porter) Erickson

Consolida larkspur

Keener, C.S. 1976. Studies in the Ranunculaceae of the southeastern United States. IV. Genera with zygomorphic flowers. Castanea 41:12-20.
Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Consolida ajacis*]
Warnock, M.J. 1997. *Consolida*, pp. 240-242. IN: Flora of North America, vol. 3. Oxford University Press.

****ajacis*** (Linnaeus) Schur [Spellenberg et al. 1986]

garden larkspur

Delphinium ajacis Linnaeus

Delphinium larkspur

Keener, C.S. 1976. Studies in the Ranunculaceae of the southeastern United States. IV. Genera with zygomorphic flowers. Castanea 41:12-20.
Wagner, W.L. 1979. New records to the Animas Mountain flora, New Mexico. Southw. Naturalist 24(2):291-296. [*Delphinium andesicola*]
Warnock, M.J. 1981. Biosystematics of the *Delphinium carolinianum* complex (Ranunculaceae). Syst. Bot. 6:38-54.
Warnock, M.J. 1995. A taxonomic conspectus of North American *Delphinium*. Phytologia 78:73-101.
Warnock, M.J. 1997. *Delphinium*, pp. 196-240. IN: Flora of North America, vol. 3. Oxford University Press.

ajacis Linnaeus = Consolida ajacis (Linnaeus) Schur

alpestre Rydberg [M&H; W&S; Warnock 1997]

Colorado larkspur

amplibracteatum Wooton = Delphinium geraniifolium Rydberg

andesicola Ewan : Reported by M&H and Wagner (1979), but the specimens have been determined as Delphinium geraniifolium Rydberg [Sivinski, pers. comm. 1999]

barbeyi (Huth) Huth [M&H; W&S; Warnock 1997]

subalpine larkspur

Delphinium cockerellii A. Nelson
Delphinium occidentale (S. Watson) S. Watson subsp. *quercicola* Ewan
Delphinium scopulorum Gray var. *subalpinum* Gray

camporum Greene [=Delphinium carolinianum Walter subsp. virescens (Nuttall) R.E. Brooks] : NM plants of Delphinium wootonii Rydberg have been confused with and named D. camporum, but the latter taxon is not yet known from NM [Warnock 1981]

cockerellii A. Nelson = Delphinium barbeyi (Huth) Huth

×***confertiflorum*** Wooton [M&H; W&S] Note: This taxon is not treated by Warnock (1995, 1997); it is apparently of hybrid origin from Delphinium scaposum × D. wootonii.

hybrid larkspur

geraniifolium Rydberg [M&H; W&S; Warnock 1997]

bean-leaf larkspur

Delphinium amplibracteatum Wooton
Delphinium tenuisectum Greene subsp. *amplibracteatum* (Wooton) Ewan

macrophyllum Wooton = Delphinium scopulorum Gray

nelsonii Greene = Delphinium nuttallianum Pritzel ex Walpers var. nuttallianum

+novomexicanum Wooton [M&H; W&S; Warnock 1997]

New Mexico larkspur

Delphinium sierra-blancae Wooton

nuttallianum Pritzel ex Walpers var. ***nuttallianum*** [M&H; W&S; Warnock 1997]

Nuttall's larkspur

Delphinium nelsonii Greene

occidentale (S. Watson) S. Watson subsp. *quercicola* Ewan = Delphinium barbeyi (Huth) Huth

ramosum Rydberg [Warnock 1997]

mountain larkspur

robustum Rydberg [M&H; W&S; Warnock 1997]

hardy larkspur

+sapellonis Cockerell [M&H; W&S; Warnock 1997]

Sapello Canyon larkspur

scaposum Greene [M&H; W&S; Warnock 1997]

bare-stem larkspur

scopulorum Gray [M&H; W&S; Warnock 1997]

Rocky Mountain larkspur

Delphinium macrophyllum Wooton

scopulorum Gray var. *subalpinum* Gray = Delphinium barbeyi (Huth) Huth

sierra-blancae Wooton = Delphinium novomexicanum Wooton

tenuisectum Greene subsp. *amplibracteatum* (Wooton) Ewan = Delphinium geraniifolium Rydberg

virescens Nuttall subsp. *wootonii* (Rydberg) Ewan = Delphinium wootonii Rydberg

wootonii Rydberg [M&H; W&S; Warnock 1997]

Wooton's larkspur

Delphinium virescens Nuttall subsp. *wootonii* (Rydberg) Ewan

Halerpestes cymbalaria (Pursh) Greene = Ranunculus cymbalaria Pursh var. saximontanus Fernald

Myosurus mouse-tail

Whittemore, A.T. 1994. New names in North American *Myosurus* (Ranunculaceae). Novon 4:77-79.

Whittemore, A.T. 1997. *Myosurus*, pp. 135-138. IN: Flora of North America, vol. 3. Oxford University Press.

apetalus Gay var. ***montanus*** (G.R. Campbell) Whittemore [M&H; W&S; Whittemore 1997]

bristly mouse-tail

Myosurus aristatus Bentham subsp. *montanus* (G.R. Campbell) Stone

Myosurus minimus Linnaeus subsp. *montanus* Campbell

aristatus Bentham subsp. *montanus* (G.R. Campbell) Stone = Myosurus apetalus Gay var. montanus (G.R. Campbell) Whittemore

cupulatus S. Watson [M&H; W&S; Whittemore 1997]

Arizona mouse-tail

egglestonii Wooton & Standley = Myosurus nitidus Eastwood

minimus Linnaeus [M&H; W&S; Whittemore 1997]

tiny mouse-tail

minimus Linnaeus subsp. *montanus* Campbell = Myosurus apetalus Gay var. montanus (G.R. Campbell) Whittemore

nitidus Eastwood [M&H; W&S; Whittemore 1997]

western mouse-tail

Myosurus egglestonii Wooton & Standley

Pulsatilla pasqueflower

Dutton, B.E., C.S. Keener, & B.A. Ford. 1997. *Anemone*, pp. 139-158. IN: Flora of North America, vol. 3. Oxford University Press.

hirsutissima (Pursh) Britton = Pulsatilla patens (Linnaeus) P. Miller subsp. multifida (Pritzel) Zamelis

ludoviciana (Nuttall) Heller = Pulsatilla patens (Linnaeus) P. Miller subsp. multifida (Pritzel) Zamelis

patens (Linnaeus) P. Miller subsp. ***multifida*** (Pritzel) Zamelis [Dutton & Keener 1997; M&H; W&S]

American pasqueflower

Anemone patens Linnaeus var. *multifida* Pritzel

Anemone patens Linnaeus var. *wolfgangiana* (Besser) Koch

Pulsatilla hirsutissima (Pursh) Britton

Pulsatilla ludoviciana (Nuttall) Heller

Ranunculus buttercup

Duncan, T. 1980. A taxonomic study of the *Ranunculus hispidus* Michaux complex in the Western Hemisphere. Univ. California Publ. Bot. 77:1-125. [*Ranunculus petiolaris*]

Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233. [*R. alismifolius, R. repens*]

Marley, G.A. and W.L. Wagner. 1981. Noteworthy collections (New Mexico). Madroño 28:41-43. [*Ranunculus testiculatus*]

Whittemore, A.T. 1997. *Ranunculus*, pp. 88-135. IN: Flora of North America, vol. 3. Oxford University Press.

abortivus Linnaeus [Spellenberg et al. 1986; Whittemore 1997]

kidney-leaf buttercup

****acris*** Linnaeus [M&H] Note: M&H report this species from Catron County, but Whittemore (1997) shows a far more northern distribution, with no records for NM; perhaps needs verification.

tall buttercup

alismifolius Geyer ex Bentham var. ***montanus*** S. Watson [Hartman et al. 2006]

water-plantain buttercup

aquatilis Linnaeus var. *capillaceus* (Thuiller) A.P. de Candolle = Ranunculus aquatilis Linnaeus var. diffusus Withering
aquatilis Linnaeus var. ***diffusus*** Withering [M&H; Whittemore 1997]
thread-leaf buttercup, water-crowfoot
Batrachium drouetii (F. Schultz) Nyman
Batrachium flaccidum (Persoon) Ruprecht
Batrachium longirostre (Godron) F. Schultz
Batrachium trichophyllum (Chaix) Bosch
Ranunculus aquatilis Linnaeus var. *capillaceus* (Thuiller) A.P. de Candolle
Ranunculus circinatus Sibthorp var. *subrigidus* (W. Drew) L. Benson
Ranunculus longirostris Godron
Ranunculus subrigidus Drew
Ranunculus trichophyllus Chaix
arizonicus Lemmon ex A. Gray [M&H; Whittemore 1997]
Arizona buttercup
cardiophyllus Hooker [M&H; W&S; Whittemore 1997]
heart-leaf buttercup
Ranunculus nudatus Greene
Ranunculus subsagittatus (Gray) Greene
Ranunculus cardiophyllus Hooker var. *subsagittatus* (Gray) L. Benson
cardiophyllus Hooker var. *subsagittatus* (Gray) L. Benson = Ranunculus cardiophyllus Hooker
circinatus Sibthorp var. *subrigidus* (W. Drew) L. Benson = Ranunculus aquatilis Linnaeus var. diffusus Withering
cymbalaria Pursh [M&H; W&S; Whittemore 1997]
alkali buttercup
Halerpestes cymbalaria (Pursh) Greene
Ranunculus cymbalaria Pursh var. *saximontanus* Fernald
cymbalaria Pursh var. *saximontanus* Fernald = Ranunculus cymbalaria Pursh
ellipticus Greene = Ranunculus glaberrimus Hooker var. ellipticus Greene
eremogenes Greene = Ranunculus sceleratus Linnaeus var. multifidus Nuttall
eschscholtzii Schlectendal var. ***eschscholtzii*** [M&H; Whittemore 1997]
spruce-fir buttercup
fasciculatus Sessé & Moçiño [Duncan 1980]
Arsene's buttercup
Ranunculus macranthus Scheele var. *arsenei* L. Benson
Ranunculus petiolaris Kunth ex A.P de Candolle var. arsenei (L. Benson) T. Duncan
flammula Linnaeus var. ***ovalis*** (Bigelow) L. Benson [M&H; W&S; Whittemore 1997]
creeping buttercup
Ranunculus reptans sensu W&S
Ranunculus reptans Linnaeus var. *ovalis* (Bigelow) Torrey & Gray
glaberrimus Hooker var. ***ellipticus*** (Greene) Greene [M&H; W&S; Whittemore 1997]
sagebrush buttercup
Ranunculus ellipticus Greene
Ranunculus oreogenes Greene
gmelinii A.P. de Candolle [M&H; W&S; Whittemore 1997]
yellow buttercup
Ranunculus gmelinii A.P. de Candolle var. *hookeri* (D. Don) L. Benson
Ranunculus purshii Richardson
gmelinii A.P. de Candolle var. *hookeri* (D. Don) L. Benson = Ranunculus gmelinii A.P. de Candolle
hydrocharoides Gray [M&H; W&S; Whittemore 1997]
frog-bit buttercup
inamoenus Greene var. ***inamoenus*** [M&H; Whittemore 1997]
ugly buttercup
Ranunculus micropetalus (Greene) Rydberg
longirostris Godron = Ranunculus aquatilis Linnaeus var. diffusus Withering
macauleyi Gray [M&H; W&S; Whittemore 1997]
Rocky Mountain buttercup
Ranunculus macauleyi Gray var. *brandegeei* L. Benson
macauleyi Gray var. *brandegeei* L. Benson = Ranunculus macauleyi Gray
macounii Britton [M&H; W&S; Whittemore 1997]
Macoun's buttercup
macranthus Scheele : Reported as expected by M&H map (probably referring to var. arsenei, which belongs to Ranunculus fasciculatus Sessé & Moçiño rather than to R. macranthus).
macranthus Scheele var. *arsenei* L. Benson = Ranunculus fasciculatus Sessé & Moçiño
micropetalus (Greene) Rydberg = Ranunculus inamoenus Greene
nudatus Greene = Ranunculus cardiophyllus Hooker
oreogenes Greene = Ranunculus glaberrimus Hooker var. ellipticus Greene
pedatifida J.E. Smith : Reported for NM by Coulter & Nelson (1909), but not included by Whittemore (1997); needs checking.
pennsylvanicus Linnaeus f. [M&H; W&S; Whittemore 1997]

Pennsylvania buttercup

petiolaris Kunth ex A.P. de Candolle var. *arsenei* (L. Benson) T. Duncan = Ranunculus fasciculatus Sessé & Moçiño

purshii Richardson = Ranunculus gmelinii A.P. de Candolle

ranunculinus (Nuttall) Rydberg [M&H; Whittemore 1997]

tadpole buttercup

****repens*** Linaeus [Hartman et al. 2006]

creeping buttercup

repens S. Watson var. marilandicus (Poiret) Torrey & Gray [=Ranunculus hispidus Michaux var. hispidus] : Reported by Gray (1853) from the Mimbres River; not treated by later NM authors or by Whittemore (1997); awaits verification.

reptans sensu W&S = Ranunculus flammula Linnaeus var. ovalis (Bigelow) L. Benson

reptans Linnaeus var. *ovalis* (Bigelow) Torrey & Gray = Ranunculus flammula Linnaeus var. ovalis (Bigelow) L. Benson

sceleratus Linnaeus var. ***multifidus*** Nuttall [M&H; W&S; Whittemore 1997]

cursed buttercup

Ranunculus eremogenes Greene

subrigidus Drew = Ranunculus aquatilis Linnaeus var. diffusus Withering

subsagittatus (Gray) Greene = Ranunculus cardiophyllus Hooker

****testiculatus*** Crantz [Marley & Wagner 1981; Whittemore 1997]

curve-seed buttercup

Ceratocephala testiculata (Crantz) Besser

trichophyllus Chaix = Ranunculus aquatilis Linnaeus var. diffusus Withering

uncinatus D. Don ex G. Don var. ***earlei*** (Greene) L. Benson [M&H; Whittemore 1997]

woodland buttercup

Thalictrum meadow-rue

Park, M.M. & D.Festerling, Jr. 1997. *Thalictrum*, pp. 258-271. IN: Flora of North America, vol. 3. Oxford University Press.

alpinum Linnaeus [M&H; Park & Festerling 1997; W&S]

alpine meadow-rue

Thalictrum alpinum Linnaeus var. *hebetum* Boivin

Thalictrum cheilanthoides Greene

alpinum Linnaeus var. *hebetum* Boivin = Thalictrum alpinum Linnaeus

cheilanthoides Greene = Thalictrum alpinum Linnaeus

dasycarpum Fischer & Avé-Lallemant [M&H; Park & Festerling 1997; W&S]

purple meadow-rue

fendleri Engelmann ex Gray [M&H; Park & Festerling 1997; W&S]

Fendler's meadow-rue

Thalictrum fendleri Engelmann var. *wrightii* (Gray) Trelease

Thalictrum wrightii Gray

fendleri Engelmann var. *wrightii* (Gray) Trelease = Thalictrum fendleri Engelmann

occidentale Gray : Reported by W&S, based on a staminate plant with large entire leaflets [Herrick s.n. (NMC)]; not verified as ***T. occidentale*** by M. Park, who examined the plant and left it undetermined as to species.

revolutum A.P. de Candolle [Whittemore 1997]

waxy meadow-rue

venulosum Trelease [Park & Festerling 1997]

veiny-leaf meadow-rue

wrightii Gray = Thalictrum fendleri Engelmann

Trautvetteria tassel-rue

Parfitt, B.D. 1997. *Trautvetteria*, pp. 138-139. IN: Flora of North America, vol. 3. Oxford University Press.

caroliniensis (Walter) Vail [M&H; Parfitt 1997; W&S]

Carolina tassel-rue

Trautvetteria grandis Nuttall

grandis Nuttall = Trautvetteria caroliniensis (Walter) Vail

Viorna arizonica Heller = Clematis hirsutissima Pursh var. hirsutissima

bakeri (Greene) Rydberg = Clematis hirsutissima Pursh var. hirsutissima

bigelovii (Torrey) Heller = Clematis bigelovii Torrey

eriophora Rydberg = Clematis hirsutissima Pursh var. hirsutissima

filifera (Bentham) Wooton & Standley = Clematis pitcheri Torrey & Gray var. filifera (Bentham) Robinson

hirsutissima (Pursh) Heller = Clematis hirsutissima Pursh var. hirsutissima

palmeri (Rose) Wooton & Standley = Clematis bigelovii Torrey

scottii (Porter) Rydberg = Clematis hirsutissima Pursh var. scottii (Porter) Ericksson

Family RESEDACEAE

Dipetalia subulata sensu W&S = Oligomeris linifolia (Vahl) Macbride

Oligomeris white-puff

Campbell, R.S. & E.L. Little, Jr. 1935. Notes on the flora of the Jornada Experimental Range, New Mexico. Mimeograph copy at NMCR. [*Oligomeris linifolia*]

linifolia (Vahl) Macbride [M&H; W&S]

white-puff

Dipetalia subulata sensu W&S

Family RHAMNACEAE

Brizicky, G.K. 1964. The genera of Rhamnaceae in the southeastern United States. J. Arnott Arbor. 45:439-463.
Johnston, M.C. & L.A. Johnston. 1969. Rhamnaceae, IN Flora of Texas 2(pt II):357-388.

Adolphia junco

Hess, W.J. 2002. New plant distribution records. The New Mexico Botanist 21:2. [*Adolphia infesta*]
Turner, R. 2006. Plant distribution reports (*Adolphia infesta*). The New Mexico Botanist 36:7.

infesta (Kunth) Meisner [Hess 2001, Turner 2006]
Texas junco

Ceanothus buckbrush

Schmidt, C. 1999. Full text key to N. American species of *Ceanothus*. Available online at http://www.orst.edu/dept/botany/herbarium/projects/ceanothus/keys/wholekey.html

fendleri Gray [M&H; W&S]
Fendler's buckbrush

greggii Gray var. ***greggii*** [M&H; W&S]
desert buckbrush

greggii Gray var. perplexans (Trelease) Jepson : Reported as expected by M&H; this seems unlikely in view of the distribution reported by Schmidt (1999).
Ceanothus perplexans Trelease

herbaceus Rafinesque [Bricizky 1964; Schmidt 1999]
prairie redroot
Ceanothus ovatus Desfontaines

integerrimus Hooker & Arnott [M&H; W&S]
deerbrush
Ceanothus mogollonicus Greene

mogollonicus Greene = Ceanothus integerrimus Hooker & Arnott [M&H]
ovatus Desvaux = Ceanothus herbaceus Rafinesque
perplexans Trelease = Ceanothus greggii Gray var. perplexans (Trelease) Jepson

Condalia bluewood

Benson, L. & R.A. Darrow. 1981. Trees and Shrubs of the Southwestern Deserts. 3rd ed. Univ. Arizona Press. 416 p.
Johnston, M.C. 1962. Revision of *Condalia* including *Microrhamnus* (Rhamnaceae). Brittonia 14:332-368.

correllii M.C. Johnston [Benson & Darrow 1981; Johnston 1962; M&H]
Correll's snakewood
Condalia mexicana sensu M&H

ericoides (Gray) M.C. Johnston [Johnston 1962; M&H]
javelina-bush
Microrhamnus ericoides Gray

lycioides (Gray) Weberbauer = Ziziphus obtusifolia (Hooker ex Torrey & Gray) Gray var. obtusifolia
lycioides (Gray) Weberbauer var. *canescens* (Gray) Trelease = Ziziphus obtusifolia (Hooker ex Torrey & Gray) Gray var. canescens (Gray) M.C. Johnston
mexicana sensu M&H = Condalia correllii M.C. Johnston
spathulata of NM reports = Condalia warnockii M.C. Johnston

warnockii M.C. Johnston var. ***warnockii*** [Johnston 1962; M&H]
crucillo
Condalia spathulata of NM authors

Frangula betulifolia (Greene) V. Grub ssp. *obovata* (Kearney & Peebles) Kartesz & Gandhi = Rhamnus betulifolia Greene
californica (Eschscholtz) A. Gray ssp. *ursina* (Greene) Kartesz & Gandhi = Rhamnus tomentella Bentham subsp. ursina (Greene) J.O. Sawyer
Microrhamnus ericoides Gray = Condalia ericoides (Gray) M.C. Johnston

Rhamnus buckthorn

Bolmgren, K. & B. Oxelman. 2004. Generic limits in *Rhamnus* L. s.l. (Rhamnaceae) inferred from nuclear and chlorplast DNA sequences phylogenies. Taxon 53(2):383-390.
Johnston, L.A. 1975. Revision of the *Rhamnus serrata* complex. Sida 6:67-79.
Sawyer, J.O. Jr. 1993. New combinations in *Rhamnus* (Rhamnaceae). Madroño 40:65.

betulifolia Greene [M&H; W&S]
birch-leaf buckthorn
Frangula betulifolia (Greene) V. Grub ssp. obovata (Kearney & Peebles) Kartesz & Gandhi

californica Eschscholtz subsp. *ursina* (Greene) C.B. Wolf = Rhamnus tomentella Bentham subsp. ursina (Greene) J.O. Sawyer
fasciculata Greene = Rhamnus serrata Schultes var. serrata
obtusifolia Hooker ex Torrey & Gray = Ziziphus obtusifolia (Hooker ex Torrey & Gray) Gray var. obtusifolia

serrata Humboldt & Bonpland ex Schultes var. ***serrata*** [Johnston 1975; M&H; W&S]
sawtooth buckthorn
Rhamnus fasciculata Greene
Rhamnus smithii Greene subsp. *fasciculata* (Greene) C.B. Wolf

smithii Greene subsp. *fasciculata* (Greene) C.B. Wolf = Rhamnus serrata Schultes var. serrata

smithii Greene [Johnston 1975; M&H; W&S]
Smith's buckthorn

tomentella Bentham subsp. ***ursina*** (Greene) J.O. Sawyer [M&H; W&S]

California buckthorn
Frangula californica (Eschscholtz) Gray subsp. *ursina* (Greene) Kartesz & Gandhi
Rhamnus californica Eschscholtz subsp. *ursina* (Greene) C.B. Wolf
Rhamnus ursina Greene
ursina Greene = Rhamnus tomentella Bentham subsp. ursina (Greene) J.O. Sawyer

Sageretia sageretia

wrightii S. Watson [M&H]
Wright's sageretia

Ziziphus lotebush

Johnston, M.C. 1963. The species of *Ziziphus* indigenous to United States and Mexico. Amer. J. Bot. 50:1020-1027.

obtusifolia (Hooker ex Torrey & Gray) Gray var. ***canescens*** (Gray) M.C. Johnston [Johnston 1963; M&H]
lotebush
Condalia lycioides (Gray) Weberbauer var. *canescens* (Gray) Trelease
Zizyphus lycioides Gray var. *canescens* Gray

obtusifolia (Hooker ex Torrey & Gray) Gray var. ***obtusifolia*** [Johnston 1963; M&H; W&S]
lotebush
Condalia lycioides (Gray) Weberbauer
Rhamnus obtusifolia Hooker ex Torrey & Gray
Zizyphus lycioides Gray

lycioides Gray var. *canescens* Gray = Ziziphus obtusifolia (Hooker ex Torrey & Gray) Gray var. canescens (Gray) M.C. Johnston
lycioides Gray = Ziziphus obtusifolia (Hooker ex Torrey & Gray) Gray var. obtusifolia

Family ROSACEAE

[Amygdalaceae, Malaceae]

Agrimonia burhead

brittonia Bicknell = Agrimonia striata Michaux
brittonia Bicknell var. *occidentalis* Bicknell = Agrimonia striata Michaux

grypsosepala Wallroth [M&H]
hairy burhead

striata Michaux [M&H; W&S]
woodland burhead
Agrimonia brittonia Bicknell
Agrimonia brittonia Bicknell var. *occidentalis* Bicknell

Alchemilla lady's mantle

Mackay, H.A. 1972. *Alchemilla minor* Huds. (Rosaceae) in New Mexico. Southwest. Nat. 17(2): 197. [*Alchemilla vulgaris*]

filicaulis Buser subsp. *vestita* (Buser) M.E. Bradshaw = Alchemilla vulgaris Linnaeus
minor Hudson = Alchemilla vulgaris Linnaeus
monticola Opiz = Alchemilla vulgaris Linnaeus

****vulgaris*** Linnaeus [Mackay 1972] Note: This species occurs in none of the states surrounding NM, but is found in Quebec and Greenland.
Lady's mantle
Alchemilla filicaulis Buser subsp. *vestita* (Buser) M.E. Bradshaw
Alchemilla minor Hudson
Alchemilla monticola Opiz

Amelanchier serviceberry

Jones, G.N. 1946. American species of *Amelanchier*. Univ. Illinois Biol. Monogr. 20:1-100.
Welsh, S.L., N.D. Atwood, S.Goodrich, & L.C. Higgins (eds.). 1993. A Utah Flora. 2nd ed. Provo, Utah: Brigham Young Univ. Press.

alnifolia Nuttall [M&H; W&S]
western serviceberry
Amelanchier polycarpa Greene
Amelanchier pumila Roemer

australis Standley = Amelanchier utahensis Koehne
bakeri Greene = Amelanchier utahensis Koehne
crenata Greene = Amelanchier utahensis Koehne
goldmanii Wooton & Standley = Amelanchier utahensis Koehne
mormonica C.K. Schneider = Amelanchier utahensis Koehne
oreophila A. Nelson = Amelanchier utahensis Koehne
polycarpa Greene = Amelanchier alnifolia (Nuttall) Nuttall
pumila (Torrey & Gray) Nuttall ex Roemer = Amelanchier alnifolia (Nuttall) Nuttall
rubescense Greene = Amelanchier utahensis Koehne

utahensis Koehne [M&H; W&S]
Utah serviceberry
Amelanchier australis Standley
Amelanchier bakeri Greene
Amelanchier crenata Greene
Amelanchier goldmanii Wooton & Standley
Amelanchier mormonica C.K. Schneider

Amelanchier oreophila A. Nelson
Amelanchier rubescense Greene
Argentina anserina (Linnaeus) Rydberg = Potentilla anserina Linnaeus
argentea Rydberg = Potentilla anserina Linnaeus
Bossekia deliciosa (Torrey) A. Nelson = Rubus deliciosus Torrey var. deliciosus
parviflora (Nuttall) Greene = Rubus parviflorus Nuttall
Cerasus crenulata Greene = Prunus emarginata (Douglas ex Hooker) D. Dietrich
Cercocarpus mountain mahogany
Denham, R.A. 1996. Key to the taxa of *Cercocarpus* (mountain mahogany) in New Mexico. The New Mexico Botanist 4:3-5.
Lis, R.A. 1992. Leaf architectural survey of *Cercocarpus* (Rosaceae) and its systematic significance. Int. J. Plant Sci. 153(2):258-272.
argenteus Rydberg = Cercocarpus montanus Rafinesque var. argenteus (Rydberg) F. L. Martin
breviflorus Gray var. ***breviflorus*** [Denham 1996; M&H; W&S]
desert mountain mahogany
Cercocarpus montanus Rafinesque var. *paucidentatus* (S. Watson) F. L. Martin
Cercocarpus paucidentatus (S. Watson) Britton
breviflorus Gray var. ***eximius*** sensu Kearny & Peebles [Denham 1996.] Note: There are problems with the application of this epithet (eximius), but this name will serve to identify the taxon until the nomenclature is resolved.
desert mountain mahogany
intricatus S. Watson [Denham 1996; Marley & Wagner 1981]
little-leaf mountain mahogany
montanus Rafinesque var. ***argenteus*** (Rydberg) F. L. Martin [Denham 1996; M&H; W&S]
common mountain mahogany
Cercocarpus argenteus Rydberg
montanus Rafinesque var. ***montanus*** [Denham 1996; M&H; W&S]
common mountain mahogany
montanus Rafinesque var. *paucidentatus* (S. Watson) F. L. Martin = Cercocarpus breviflorus Gray var. breviflorus
paucidentatus (S. Watson) Britton = Cercocarpus breviflorus Gray var. breviflorus
Coleogyne ramosissima Torrey : Reported as expected by M&H; awaits verification.
Cowania mexicana D. Don var. *stansburiana* (Torrey) Jepson = Purshia stansburiana (Torrey) Henrickson
stansburiana Torrey = Purshia stansburiana (Torrey) Henrickson
Crataegus hawthorn
Phipps, J.B. 1998. Introduction to the red-fruited hawthorns (*Crataegus*, Rosaceae) of western North America. Can. J. Bot. 76:1863-1899.
Phipps, J.B. 1999. The relationships of the American black-fruited hawthorns *Crataegus erythropoda*, *C. rivularis*, *C. saligna* and *C. brachyacantha* to *C.* ser. *Douglasianae* (Rosaceae). Sida 18(3):647-660.
cerronis A. Nelson = Crataegus erythropoda Ashe
erythropoda Ashe [M&H; Phipps 1998; W&S]
Cerro hawthorn
Crataegus cerronis A. Nelson
macracantha Loddiges ex Loud var. ***occidentalis*** (Britton) Eggl. [Phipps 1998]
fleshy hawthorn
rivularis Nuttall [M&H; Phipps 1999; W&S]
river hawthorn
+wootoniana Eggleston [M&H; Phipps 1998; W&S]
Wooton hawthorn
Dasiphora fruticosa (Linnaeus) Rydberg = Potentilla fruticosa Linnaeus
Drymocaulis convallaria Rydberg = Potentilla arguta Pursh subsp. convallaria (Rydberg) Keck
fissa (Nuttall) Rydberg = Potentilla fissa Nuttall
glandulosa (Lindley) Rydberg = Potentilla glandulosa Lindley
Fallugia Apache-plume
paradoxa (D. Don) Endlicher ex Torrey [M&H; W&S]
Apache-plume
Fallugis paradoxa (D. Don) Endlicher ex Torrey var. *acuminata* Wooton
Fallugis micrantha Cockerell
Sieversia paradoxa D. Don
paradoxa (D. Don) Endlicher var. *acuminata* Wooton = Fallugia paradoxa (D. Don) Endlicher ex Torrey
micrantha Cockerell = Fallugia paradoxa (D. Don) Endlicher ex Torrey
Fragaria strawberry
Staudt, G. 1962. Taxonomic studies in the genus *Fragaria*: Typification of *Fragaria* species known at the time of Linnaeus. Can. J. Bot. 40:869-886.
americana of NM authors = Fragaria vesca Linnaeus
bracteata Heller = Fragaria vesca Linnaeus
californica Chamisso & Schlechtendal = Fragaria vesca Linnaeus
firma Rydberg = Fragaria virginiana Duchesne
glauca (S. Watson) Rydberg = Fragaria virginiana Duchesne
mexicana sensu W&S = Fragaria virginiana Duchesne
ovalis (Lehmann) Rydberg = Fragaria virginiana Duchesne
vesca Linnaeus [M&H; W&S]
woodland strawberry

Fragaria americana of NM authors, not (Porter) Britton
Fragaria bracteata Heller
Fragaria californica Chamisso & Schlechtendal
Fragaria vesca Linnaeus subsp. *bracteata* (Heller) Staudt
Fragaria vesca Linnaeus subsp. *californica* (Chamisso & Schlechtendal) Staudt

vesca Linnaeus subsp. *bracteata* (Heller) Staudt = Fragaria vesca Linnaeus

vesca Linnaeus subsp. *californica* (Chamisso & Schlechtendal) Staudt = Fragaria vesca Linnaeus

virginiana Duchesne [M&H; W&S]

pale strawberry

Fragaria firma Rydberg
Fragaria glauca (S. Watson) Rydberg
Fragaria mexicana sensu W&S
Fragaria ovalis (Lehmann) Rydberg
Fragaria virginiana Duchesne subsp. *glauca* (S. Watson) Staudt
Fragaria virginiana Duchesne var. *glauca* S. Watson
Potentilla ovalis Lehmann

virginiana Duchesne subsp. *glauca* (S. Watson) Staudt = Fragaria virginiana Duchesne

virginiana Duchesne subsp. *glauca* (S. Watson) Staudt = Fragaria virginiana Duchesne

Geum avens

Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233. [*G. triflorum triflorum*]

Taylor, K. 1997. *Geum rivale* L.. J. Ecology 85(5): 721-731.

aleppicum Jacquin [M&H; W&S]

yellow avens

Geum aleppicum Jacquin var. *decurrens* (Rydberg) Kearney & Peebles
Geum decurrens Rydberg
Geum strictum Aiton (nom. illegit.)
Geum strictum Aiton var. *decurrens* (Rydberg) Kearney & Peebles (nom. illegit.)

aleppicum Jacquin var. *decurrens* (Rydberg) Kearney & Peebles = Geum aleppicum Jacquin

ciliatum Pursh = Geum triflorum Pursh var. ciliatum (Pursh) Fassett

decurrens Rydberg = Geum aleppicum Jacquin

macrophyllum Willdenow var. ***perincisum*** (Rydberg) Raup [M&H; W&S]

big-leaf avens

Geum oregonens (Scheutz) Rydberg
Geum perincisum Rydberg

oregonens (Scheutz) Rydberg = Geum macrophyllum Willdenow var. perincisum (Rydberg) Raup

perincisum Rydberg = Geum macrophyllum Willdenow var. perincisum (Rydberg) Raup

rivale Linnaeus [M&H; W&S]

purple avens

rossii (R. Brown) Seringe var. ***turbinatum*** (Rydberg) C.L. Hitchcock [M&H; W&S]

Ross's avens

Geum turbinatum Rydberg
Sieversia turbinata (Rydberg) Greene

strictum Aiton var. *decurrens* (Rydberg) Kearney & Peebles (nom. illegit.) = Geum aleppicum Jacquin

strictum Aiton (nom. illegit.) = Geum aleppicum Jacquin

triflorum Pursh var. ***ciliatum*** (Pursh) Fassett [M&H; W&S]

old-man's-whiskers

Geum ciliatum Pursh
Sieversia ciliata (Pursh) G. Don
Sieversia grisea (Greene) Rydberg

triflorum Pursh var. ***triflorum*** [Hartman et al. 2006]

old-man's-whiskers

turbinatum Rydberg = Geum rossii (R. Brown) Seringe var. turbinatum (Rydberg) C.L. Hitchcock

Holodiscus mountain-spray, ocean-spray

Ley, A. 1943. A taxonomic revision of the genus *Holodiscus* (Rosaceae). Bull. Torrey Bot. Club 70:275-288.

australis Heller = Holodiscus dumosus (Nuttall ex Hooker) Heller

dumosus (Nuttall ex Hooker) Heller [M&H; W&S]

mountain-spray

Holodiscus australis Heller
Holodiscus dumosus (Nuttall) Heller var. *australis* (Heller) Ley
Sericotheca dumosa (Nuttall) Rydberg
Spiraea dumosa Nuttall

dumosus (Nuttall) Heller var. *australis* (Heller) Ley = Holodiscus dumosus (Nuttall ex Hooker) Heller

Malus apple

communis Poiret = Malus pumila P. Miller

domestica (Borkhausen) Borkhausen = Malus pumila P. Miller

****pumila*** P. Miller [M&H]

apple

Malus communis Poiret

Malus domestica (Borkhausen) Borkhausen
Malus sylvestris N. Amer. auct., non P. Miller
sylvestris N. Amer. auct., non P. Miller = Malus pumila P. Miller
Pyrus malus Linnaeus
Opulaster monogynus (Torrey) Kuntze = Physocarpus monogynus (Torrey) Coulter
Oreobatus deliciosus (Torrey) Rydberg = Rubus deliciosus Torrey subsp. deliciosus
rubicundus Wooton & Standley = Rubus deliciosus Torrey subsp. neomexicanus (Gray) W.A. Weber
neomexicanus (Gray) Rydberg = Rubus deliciosus Torrey subsp. neomexicanus (Gray) W.A. Weber
Padus calophylla Wooton & Standley = Prunus virginiana Linnaeus var. melanocarpa (A. Nelson) Sargent
melanocarpa (A. Nelson) Shafer = Prunus virginiana Linnaeus var. melanocarpa (A. Nelson) Sargent
mescaleria Wooton & Standley = Prunus virginiana Linnaeus var. melanocarpa (A. Nelson) Sargent
pumicea Wooton & Standley = Prunus virginiana Linnaeus var. melanocarpa (A. Nelson) Sargent
rufula Wooton & Standley = Prunus serotina Ehrhart rufula (Wooton & Standley) McVaugh
valida Wooton & Standley = Prunus virginiana Linnaeus var. demissa (Nuttall) Torrey
virens Wooton & Standley = Prunus serotina Ehrhart virens

Pentaphylloides shrubby cinquefoil

fruticosa (Linnaeus) O. Schwarz [M&H; W&S]
shrubby cinquefoil
Dasiphora fruticosa (Linnaeus) Rydberg
Potentilla fruticosa Linnaeus

Peraphyllum Indian-apple

ramosissimum Nuttall [M&H; W&S]
Indian-apple

Petrophyton rockmat

caespitosum (Nuttall) Rydberg [M&H; W&S]
Rocky Mountain rockmat
Spiraea caespitosa Nuttall
Spiraea caespitosa Nuttall var. *elatius* (Nuttall) Tidestrom

Physocarpus ninebark

monogynus (Torrey) Coulter [M&H; W&S]
mountain ninebark
Opulaster monogynus (Torrey) Kuntze
Spiraea monogyna Torrey

Potentilla cinquefoil

Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233. [*P. fissa*]
Holmgren, N. 1997. Rosaceae, pp. 64-158. IN: Intermountain Flora, vol. 3A. New York Botanical Garden.
Kohli, B. & J.G. Packer. 1976. A contribution to the taxonomy of the *Potentilla pensylvanica* complex in North America. Can. J. Bot. 54:706-719. [*Potentilla bipinnatifica*]
McKay, H.A. 1970. A comparative floristic study of the Rio Hondo Canyon-Lake Fork-Wheeler Peak locale, New Mexico, and the Huerfano River-Blanca Peak locale, Colorado. Ph.D. thesis, University of New Mexico. 226 pp. [*Potentilla uniflora*]
Peterson, R.S. 2000. On our alpine *Potentillas*. The New Mexico Botanist 16:5.
Rydberg, P.A. 1908. *Potentilla* [under *Potentilla*, *Argentina*, *Comarum*, *Dasiphora*, & *Drymocallis*]. N. Amer. Fl. 22(4):293-355, 366-376.
Welsh, S.L., N.D. Atwood, S.Goodrich, & L.C. Higgins (eds.). 1993. A Utah Flora. 2nd ed. Provo, Utah: Brigham Young Univ. Press. [*Potentilla gracilis* vars. *elmeri* & *glabrata*]

ambigens Greene [M&H; W&S]
silky-leaf cinquefoil

anserina Linnaeus [M&H; W&S]
silverweed
Argentina anserina (Linnaeus) Rydberg
Argentina argentea Rydberg
Potentilla anserina Linnaeus var. *concolor* Seringe
Potentilla anseriana Linnaeus var. *sericea* (Linnaeus) Hayne

anserina Linnaeus var. *concolor* Seringe = Potentilla anseriana Linnaeus
anserina Linnaeus var. *sericea* (Linnaeus) Hayne = Potentilla anseriana Linnaeus

arguta Pursh subsp. ***convallaria*** (Rydberg) Keck [M&H; W&S]
tall cinquefoil
Drymocaulis convallaria Rydberg
Potentilla convallaria Rydberg

atrorubens Rydberg = Potentilla thurberi Gray var. atrorubens (Rydberg) Kearney & Peebles

bicrenata Rydberg [M&H; W&S]
Rocky Mountain cinquefoil
Potentilla concinna L.C.M. Richard var. *bicrenata* (Rydberg) Welsh & Johnston

biennis Greene : Reported as expected by M&H; awaits verification.

bipinnatifida Douglas ex Hooker [Kohli & Packer 1976]
tansy cinquefoil

concinna L.C.M. Richard var. *bicrenata* (Rydberg) Welsh & Johnston = Potentilla bicrenata Rydberg

concinna L.C.M. Richard [M&H; Peterson 2000]
red cinquefoil

Potentilla divisa (Rydberg) Rydberg
Potentilla oblanceolata Rydberg
concinna L.C.M. Richard var. *rubripes* (Rydberg) C.L. Hitchcock = Potentilla subjuga Rydberg
convallaria Rydberg = Potentilla arguta Pursh subsp. convallaria (Rydberg) Keck
crinita Gray [W&S]
bearded cinquefoil
Potentilla lemmoni (S. Watson) Greene
diffusa A. Gray = Potentilla hippiana Lehmann
divisa (Rydberg) Rydberg = Potentilla concinna L.C.M. Richard var. concinna
diversifolia Lehmann [M&H; W&S]
meadow cinquefoil
effusa of authors = Potentilla hippiana Lehmann
filipes Rydberg = Potentilla gracilis Douglas ex Hooker var. pulcherrima (Lehmann) Fernald
fissa Nuttall [Hartman et al. 2006]
big-flower cinquefoil
Drymocaulis fissa (Nuttall) Rydberg
fruticosa Linnaeus = Pentaphylloides fruticosa (Linnaeus) O. Schwarz
glandulosa Lindley [M&H; W&S]
sticky cinquefoil
Drymocaulis glandulosa (Lindley) Rydberg
gracilis Douglas ex Hooker var. ***elmeri*** (Rydberg) Jepson [Holmgren 1997; Welsh et al. 1993]
Elmer's cinquefoil
Potentilla pectinisecta Rydberg
gracilis Douglas ex Hooker var. *fastigiata* (Nuttall) S. Watson = Potentilla gracilis Douglas ex Hooker var. glabrata (Lehmann) C.L. Hitchcock
gracilis Douglas ex Hooker var. ***glabrata*** (Lehmann) C.L. Hitchcock [Welsh et al. 1993]
glabrate cinquefoil
Potentilla gracilis Douglas ex Hooker var. *fastigiata* (Nuttall) S. Watson
gracilis Douglas ex Hooker var. ***pulcherrima*** (Lehmann) Fernald [M&H; W&S]
beautiful cinquefoil
Potentilla filipes Rydberg
Potentilla pulcherrima Lehmann
hippiana Lehmann var. *diffusa* (A. Gray) Lehmann = Potentilla hippiana Lehmann
hippiana Lehmann [M&H; W&S]
wooly cinquefoil
Potentilla diffusa A. Gray
Potentilla effusa of authors
Potentilla hippiana Lehmann var. *diffusa* (A. Gray) Lehmann
Potentilla propinqua Rydberg
lemmoni (S. Watson) Greene = Potentilla crinita Gray
leucocarpa Rydberg = Potentilla rivalis Nuttall
millegrana Engelmann = Potentilla rivalis Nuttall
monspeliensis Linnaeus = Potentilla norvejica Linnaeus
nivea Linnaeus : reported by Welsh et al. (1993), but questioned by Peterson (2000)
norvegica Linnaeus [M&H; W&S]
Norwegian cinquefoil
Potentilla monspeliensis Linnaeus
oblanceolata Rydberg = Potentilla concinna L.C.M. Richard
ovalis Lehmann = Fragaria virginiana Duchesne
ovina Macoun ex J.M. Macoun : Reported by Kartesz (1999) based on Hitchcock et al. (1955-1969), but not by any other workers; awaits verification.
paradoxa Nuttall [M&H; W&S]
bushy cinquefoil
pectinisecta Rydberg = Potentilla gracilis Douglas ex Hooker var. elmeri (Rydberg) Jepson
pensylvanica Linnaeus [M&H; W&S]
Pennsylvania cinquefoil
Potentilla strigosa (Pursh) Pallas
plattensis Nuttall [M&H; W&S]
Platt River cinquefoil
propinqua Rydberg = Potentilla hippiana Lehmann var. diffusa Lehmann
pulcherrima Lehmann = Potentilla gracilis Douglas ex Hooker var. pulcherrima (Lehmann) Fernald
rivalis Nuttall var. *millegrana* (Engelmann) S. Watson = Potentilla rivalis Nuttall
rivalis Nuttall [M&H; W&S]
brook cinquefoil
Potentilla leucocarpa Rydberg
Potentilla millegrana Engelmann
Potentilla rivalis Nuttall var. *millegrana* (Engelmann) S. Watson

rubricaulis Lehmann : Reported tenuously by Baker (1983), but questioned by Peterson (2000)
sibbaldii Hall f. = Sibbaldia procumbens Linnaeus
+sierra-blancae Wooton & Standley [M&H; W&S]
Sierra Blanca cinquefoil
strigosa (Pursh) Pallas = Potentilla pennsylvanica Linnaeus
subjuga Rydberg [Spellenberg et al. 1986]
Colorado cinquefoil
Potentilla concinna L.C.M. Richard var. *rubripes* (Rydberg) C.L. Hitchcock
subviscosa Greene [M&H; W&S]
Navajo cinquefoil
thurberi Gray var. ***atrorubens*** (Rydberg) Kearney & Peebles [M&H; W&S]
Thurber's cinquefoil
Potentilla atrorubens Rydberg
thurberi Gray var. ***thurberi*** [M&H; W&S]
Thurber's cinquefoil
uniflora Ledebour [McKay 1970]
one-flower cinquefoil

Prunus plum, cherry

Cox, G. 2004. Plant distribution reports. The New Mexico Botanist 31:1. [*Prunus armeniaca*]
Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233. [*P. persica*]
McVaugh, R. 1951. Revision of the North American black cherries. Brittonia 7(4):279-315.
Sargent, C.S. 1920. Notes on North American trees. VII. J. Arnold Arbor. 1:112-122. [*Prunus virginiana demissa*]

americana Marshall [M&H; W&S]
American plum
angustifolia Marshall var. ***watsonii*** (Sargent) Waugh [M&H; W&S]
Chickasaw plum
Prunus watsonii Sargent
armeniaca Linnaeus [Cox 2004]
apricot
cerasus Linnaeus [M&H]
sour cherry
emarginata (Douglas ex Hooker) D. Dietrich var. *crenulata* (Greene) Kearney & Peebles = Prunus emarginata (Douglas ex Hooker) D. Dietrich
emarginata (Douglas ex Hooker) D. Dietrich [M&H; W&S]
bitter cherry
Cerasus crenulata Greene
Prunus emarginata (Douglas ex Hooker) D. Dietrich var. *crenulata* (Greene) Kearney & Peebles
gracilis Engelmann & Gray [M&H]
Oklahoma plum
Prunus normalis (Torrey & Gray) Small
melanocarpa (A. Nelson) Rydberg = Prunus virginiana Linnaeus var. melanocarpa (A. Nelson) Sargent
normalis (Torrey & Gray) Small = Prunus gracilis Engelmann & Gray
persica (Linnaeus) Batsch [Hartman et al. 2006]
peach
serotina Ehrhart var. ***rufula*** (Wooton & Standley) McVaugh [M&H; W&S]
black cherry
Padus rufula Wooton & Standley
Prunus virens Wooton & Standley var. *rufula* (Wooton & Standley) Sargent
serotina Ehrhart var. ***virens*** (Wooton & Standley) McVaugh [M&H]
black cherry
Padus virens Wooton & Standley
virens Wooton & Standley var. *rufula* (Wooton & Standley) Sargent = Prunus serotina Ehrhart var. rufula (Wooton & Standley) McVaugh
virginiana Linnaeus var. ***demissa*** (Nuttall) Torrey [Sargent 1920]
choke cherry
Padus valida Wooton & Standley
Prunus virginiana Linnaeus var. *demissa* (Nuttall) Torrey forma *pachyrrhachis* Sargent
virginiana Linnaeus var. *demissa* (Nuttall) Torrey forma *pachyrrhachis* Sargent = Prunus virginiana Linnaeus var. demissa (Nuttall) Torrey
virginiana Linnaeus var. ***melanocarpa*** (A. Nelson) Sargent [M&H; W&S]
choke cherry
Padus calophylla Wooton & Standley
Padus melanocarpa (A. Nelson) Shafer
Padus mescaleria Wooton & Standley
Padus pumicea Wooton & Standley
Prunus melanocarpa (A. Nelson) Rydberg
watsonii Sargent = Prunus angustifolia Marshall var. watsonii (Sargent) Waugh

Purshia bitterbrush

Henrickson, J. 1986. Notes on Rosaceae. Phytologia 60:468.
Koehler, D.L. & D.M. Smith. 1981. Hybridization between *Cowania mexicana* var. *stansburiana* and *Purshia glandulosa* (Rosaceae). Madroño 28:13-25.
Stutz, H.C. & L.K. Thomas. 1964. Hybridization and introgression in *Cowania* and *Purshia*. Evolution 18:183-195.

mexicana (D. Don) Welsh) var. *stansburiana* (Torrey) Welsh = Purshia stansburiana (Torrey) Henrickson

stansburiana (Torrey) Henrickson [M&H; W&S]

cliffrose

Cowania mexicana D. Don var. *stansburiana* (Torrey) Jepson
Cowania stansburiana Torrey
Purshia mexicana (D. Don) Welsh var. *stansburiana* (Torrey) Welsh

tridentata (Pursh) A.P. de Candolle [M&H; W&S]

bitterbrush

Pyracantha firethorn

Sivinski, R. 1999. Plant distribution records. The New Mexico Botanist 12:8. [*Pyracantha coccinea*]

****coccinea*** Roemer [Sivinski 1999]

scarlet firethorn

Pyrus pear

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Pyrus communis*]

****communis*** Linnaeus [Allred 1999]

pear

Pyrus malus Linnaeus = Malus sylvestris P. Miller

Rosa rose

Lewis, W.H. 1965. Monograph of *Rosa* in North America. V. Subgenus *Hesperhodos*. Ann. Missouri Bot. Gard. 52:99-113.
McVaugh, R. 1942. Rosaceae of Nevada. Contr. Flora Nevada No. 22, Div. Pl. Explor. & Introduct., Bur. Pl. Industry, U.S.D.A.

acicularis Lindley var. ***sayana*** Erlanson [M&H; W&S]

prickly rose

Rosa acicularis Lindley var. *bourgeauiana* (Crepin) Crepin
Rosa acicularis Lindley subsp. *sayi* (Schweinitz) W.H. Lewis
Rosa bourgeauiana Crepin
Rosa sayi Schweinitz

acicularis Lindley var. *bourgeauiana* (Crepin) Crepin = Rosa acicularis Lindley var. sayana Erlanson
acicularis Lindley subsp. *sayi* (Schweinitz) W.H. Lewis = Rosa acicularis Lindley var. sayana Erlanson
adenosepala Wooton & Standley = Rosa woodsii Lindley var. woodsii
arizonica Rydberg = Rosa woodsii Lindley var. ultramontana (S. Watson) Jepson

arkansana Porter var. ***arkansana*** [M&H]

prairie rose

arkansana Porter var. ***suffulta*** (Greene) Cockerell [M&H; W&S]

prairie rose

Rosa suffulta Greene

bourgeauiana Crepin = Rosa acicularis Lindley var. sayana Erlanson
fendleri Crepin = Rosa woodsii Lindley var. woodsii
granulifera Rydberg : Reported as expected by M&H map; awaits verification.

Rosa woodsii Lindley var. granulifera (Rydberg) ined. Note: This combination not validly published by M&H [ICBN, Article 33]

helleri Greene : Reported doubtfully by W&S, not treated by M&H; needs verification.
hypoleuca Wooton & Standley = Rosa woodsii Lindley var. woodsii
macounii Greene = Rosa woodsii Lindley var. ultramontana (S. Watson) Jepson
manca Greene = Rosa woodsii Lindley var. woodsii
maximilliana Rydberg = Rosa woodsii Lindley var. ultramontana (S. Wats) Jepson
melina Greene = Rosa nutkana Presl
mirifica Greene = Rosa stellata Wooton var. mirifica (Greene) Cockerell

****multiflora*** Thunberg ex Murray [Heil et al. 2002]

rambler rose

neomexicana Cockerell = Rosa woodsii Lindley var. woodsii

nutkana Presl var. ***hispida*** Fernald [M&H; W&S]

Nootka rose

Rosa melina Greene

pecosensis Cockerell = Rosa woodsii Lindley var. ultramontana (S. Watson) Jepson
praetincta Cockerell = Rosa woodsii Lindley var. ultramontana (S. Watson) Jepson
sayi Schweinitz = Rosa acicularis Lindley var. sayana Erlanson
standleyi Rydberg = Rosa woodsii Lindley var. woodsii

stellata Wooton var. ***erlansoniae*** W. H. Lewis [M&H]

desert rose

stellata Wooton var. ***mirifica*** (Greene) W.H. Lewis [M&H; W&S]

desert rose

Rosa mirifica Greene

stellata Wooton var. ***stellata*** [M&H; W&S]

desert rose

suffulta Greene = Rosa arkansana Porter var. suffulta (Greene) Cockerell
woodsii Lindley var. adenosepala (Wooton & Standley) ined. = Rosa woodsii Lindley var. woodsii Note: This combination not validly published by M&H [ICBN, Article 33]
woodsii Lindley var. arizonica (Rydberg) ined. = Rosa woodsii Lindley var. ultramontana (S. Watson) Jepson Note: This combination not validly published by M&H [ICBN, Article 33]
woodsii Lindley var. *fendleri* (Crepin) Rydberg = Rosa woodsii Lindley var. woodsii
woodsii Lindley var. granulifera (Rydberg) ined. = Rosa woodsii Lindley var. ultramontana (S. Watson) Jepson Note: This combination not validly published by M&H [ICBN, Article 33]
woodsii Lindley var. hypoleuca (Wooton & Standley) ined. = Rosa woodsii Lindley var. woodsii Note: This combination not validly published by M&H [ICBN, Article 33]
woodsii Lindley var. macounii (Greene) ined. = Rosa woodsii Lindley var. ultramontana (S. Watson) Jepson Note: This combination not validly published by M&H [ICBN, Article 33]
woodsii Lindley var. neomexicana (Cockerell) ined. = Rosa woodsii Lindley var. woodsii Note: This combination not validly published by M&H [ICBN, Article 33]
woodsii Lindley var. ***ultramontana*** (S. Watson) Jepson [M&H; W&S]
Wood's rose
Rosa arizonica Rydberg
Rosa macounii Greene
Rosa maximilliana Rydberg
Rosa pecosensis Cockerell
Rosa praetincta Cockerell
Rosa woodsii Lindley var. arizonica (Rydberg) ined. Note: This combination not validly published by M&H [ICBN, Article 33]
Rosa woodsii Lindley var. granulifera (Rydberg) ined. Note: This combination not validly published by M&H [ICBN, Article 33]
Rosa woodsii Lindley var. macounii (Greene) ined. Note: This combination not validly published by M&H [ICBN, Article 33]
woodsii Lindley var. ***woodsii*** [M&H; W&S]
Wood's rose
Rosa adenosepala Wooton & Standley
Rosa fendleri Crepin
Rosa hypoleuca Wooton & Standley
Rosa manca Greene
Rosa neomexicana Cockerell
Rosa standleyi Rydberg
Rosa woodsii Lindley var. adenosepala (Wooton & Standley) ined. Note: This combination not validly published by M&H [ICBN, Article 33]
Rosa woodsii Lindley var. *fendleri* (Crepin) Rydberg
Rosa woodsii Lindley var. hypoleuca (Wooton & Standley) ined. Note: This combination not validly published by M&H [ICBN, Article 33]
Rosa woodsii Lindley var. neomexicana (Cockerell) ined. Note: This combination not validly published by M&H [ICBN, Article 33]
Rubacer parviflorus (Nuttall) Rydberg = Rubus parviflorus Nuttall
Rubus raspberry, blackberry
aliceae L.H. Bailey = Rubus idaeus Linnaeus var. strigosus (Michaux) Maximowicz
arizonensis Focke [M&H]
Arizona dewberry
arizonicus (Greene) Rydberg = Rubus idaeus Linnaeus var. strigosus (Michaux) Maximowicz
bernardinus (Greene) Fedde = Rubus leucodermis Douglas ex Torrey & Gray
deliciosus Torrey var. ***deliciosus*** [M&H; W&S]
Rocky Mountain raspberry
Bossekia deliciosa (Torrey) A. Nelson
Oreobatus deliciosus (Torrey) Rydberg
deliciosus Torrey var. ***neomexicanus*** (Gray) Kearney [M&H; W&S]
New Mexico raspberry
Oreobatus neomexicanus (Gray) Rydberg
Oreobatus rubicundus Wooton & Standley
Rubus exrubicundus L.H. Bailey
Rubus neomexicanus Gray
Rubus rubicundus (Wooton & Standley) Tidestrom
****discolor*** Weihe & Nees [Spellenberg et al. 1986]
Himalayan blackberry
Rubus procerus of authors, not P.J. Mueller ex Genevier
exrubicundus L.H. Bailey = Rubus deliciosus Torrey var. neomexicanus (Gray) Kearney
idaeus Linnaeus var. ***strigosus*** (Michaux) Maximowicz [M&H; W&S]
red raspberry
Rubus aliceae L.H. Bailey
Rubus arizonicus (Greene) Rydberg
Rubus melanolasius Dieck
Rubus strigosus Michaux var. *arizonicus* (Greene) Kearney & Peebles

Rubus strigosus Michaux

leucodermis Douglas ex Torrey & Gray [M&H; W&S]

white-stem raspberry

Rubus bernardinus (Greene) Fedde

Rubus leucodermis Douglas ex Torrey & Gray) var. *bernardinus* (Greene) Jepson

leucodermis Douglas ex Torrey & Gray) var. *bernardinus* (Greene) Jepson = Rubus leucodermis Douglas ex Torrey & Gray

melanolasius Dieck = Rubus idaeus Linnaeus var. strigosus (Michaux) Maximowicz

neomexicanus Gray = Rubus deliciosus Torrey var. neomexicanus (Gray) Kearney

occidentalis Linnaeus : Reported as expected by M&H map; awaits verification.

parviflorus Nuttall [M&H; W&S]

western thimble-berry

Bossekia parviflora (Nuttall) Greene

Rubacer parviflorus (Nuttall) Rydberg

procerus of authors, not P.J. Mueller ex Genevier = Rubus discolor Weihe & Nees

rubicundus (Wooton & Standley) Tidestrom = Rubus deliciosus Torrey var. neomexicanus (Gray) Kearney

strigosus Michaux var. *arizonicus* (Greene) Kearney & Peebles = Rubus idaeus Linnaeus var. strigosus (Michaux) Maximowicz

strigosus Michaux var. *strigosus* = Rubus idaeus Linnaeus var. strigosus (Michaux) Maximowicz

Sanguisorba burnet

annua Nuttall : Reported as expected by M&H map; awaits verification.

****minor*** Scopoli subsp. ***muricata*** (Spach) Nordborg [M&H]

salad burnet

Sericotheca dumosa (Nuttall) Rydberg = Holodiscus dumosus (Nuttall) Heller

Sibbaldia glow-wort

procumbens Linnaeus [M&H; W&S]

creeping glow-wort

Potentilla sibbaldii Hall f.

Sieversia ciliata (Pursh) G. Don = Geum triflorum Pursh var. ciliatum (Pursh) Fawcett

grisea (Greene) Rydberg = Geum triflorum Pursh var. ciliatum (Pursh) Fawcett

paradoxa D. Don = Fallugia paradoxa (D. Don) Endlicher ex Torrey

turbinata (Rydberg) Greene = Geum turbinatum Rydberg

Sorbus mountain-ash

Jones, G.N. 1939. A synopsis of the North American species of *Sorbus*. J. Arnold Arbor. 20:1-43.

dumosa Greene [M&H]

Arizona mountain-ash

scopulina Greene [M&H; W&S]

Cascade mountain-ash

Spiraea caespitosa Nuttall = Petrophytum caespitosum (Nuttall) Rydberg

caespitosa Nuttall var. *elatius* (Nuttall) Tidestrom = Petrophytum caespitosum (Nuttall) Rydberg

dumosa Nuttall = Holodiscus dumosus (Nuttall ex Hooker) Heller

monogyna Torrey = Physocarpus monogynus (Torrey) Coulter

Vauquelinia rosewood

Hess, W. & J. Henrickson. 1987. A taxonomic revision of *Vauquelinia* (Rosaceae). Sida 12:101-163.

californica (Torrey) Sargent subsp. californica : Not occurring in NM (Hess & Hendrickson 1987).

californica (Torrey) Sargent subsp. ***pauciflora*** (Standley) Hess & Hendrickson [Hess & Hendrickson 1987; M&H; W&S]

Arizona rosewood

Family RUBIACEAE

Bouvardia firecracker-bush

glaberrima Engelmann = Bouvardia ternifolia (Cavanilles) Schlechtendal

ovata Gray = Bouvardia ternifolia (Cavanilles) Schlechtendal

ternifolia (Cavanilles) Schlechtendal [M&H; W&S]

firecracker-bush

Bouvardia glaberrima Engelmann

Bouvardia ovata Gray

Cephalanthus occidentalis Linnaeus : Reported as expected by M&H, and listed for NM by Dempster (1995), but no specimens have been located at any herbaria; awaits verification.

Crusea saucer-flower

diversifolia (Kunth) W.A. Anderson [M&H]

saucer-flower

Crusea subulata (Pavon) Gray

Crusea wrightii Gray

subulata (Pavon) Gray = Crusea diversifolia (Kunth) W.A. Anderson

wrightii Gray = Crusea diversifolia (Kunth) W.A. Anderson

Diodia poor-Joe

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Diodia teres* var. *angustata*]

Todsen, T.K. 1996. New plant distribution records. The New Mexico Botanist 2:6. [*Diodia teres* var. *setifera*]

teres Walter var. ***angustata*** Gray [Allred 1999; M&H]

poor-Joe

teres Walter var. *setifera* Fernald = Diodia teres Walter var. teres

teres Walter var. ***teres*** [M&H]

poor-Joe

Diodia teres Walter var. *setifera* Fernald

Galium bedstraw

Cronquist, A. 1984. *Galium*, pp. 528-536. IN: Intermountain Flora, vol. 4. New York Botanical Garden.

Dempster, L.T. 1973. The polygamous species of the genus *Galium* (Rubiaceae), section *Lophogalium*, of Mexico and southwestern United States. Univ. Calif. Pub. Bot. 64:1-36.

Dempster, L.T. 1976. *Galium mexicanum* (Rubiaceae) of Central America and western North America. Madroño 23:378-386.

Ehrendorfer, F. 1956. Survey of the *Galium multiflorum* complex in western North America. Contr. Dudley Herb. 5:1-21.

Puff, C. 1976. The *Galium trifidum* group (Galium sect. Aparinoides, Rubiaceae). Can. J. Bot. 54:1911-1925.

Sivinski, R., T. Lowrey, & R. Peterson. 1994. Additions to the native and adventive flora of New Mexico. Phytologia 76(6):473-479. [*Galium bifolium*]

Spellenberg, R., M. Mahrt & R. Brozka. 1991. Noteworthy collections, New Mexico. Madroño 38:298-301. [*Galium wrightii*]

Wagner, W.L. 1983. Noteworthy collections (New Mexico). Madroño 30:126. [*Galium emeryense*]

acutissimum Gray = Galium stellatum Kellogg

****aparine*** Linnaeus [M&H; W&S]

sticky-willy

Galium aparine Linnaeus var. *echinospermum* (Wallroth) Farwell

Galium aparine Linnaeus var. *vaillantii* (A.P. de Candolle) Koch

aparine Linnaeus var. *echinospermum* (Wallroth) Farwell = Galium aparine Linnaeus

aparine Linnaeus var. *vaillantii* (A.P. de Candolle) Koch = Galium aparine Linnaeus

asperrimum Gray = Galium mexicanum Humboldt, Bonpland, & Kunth var. asperrimum (Gray) Higgins & Welsh

bifolium S. Watson [M&H; Sivinski et al. 1994]

twin-leaf bedstraw

boreale Linnaeus [M&H; W&S]

northern bedstraw

Galium septentrionale Roemer & Schultes

brandegeei Gray = Galium trifidum Linnaeus subsp. subbiflorum (Wiegand) Puff

coloradoense W.F. Wight = Galium multiflorum Kellogg var. coloradoense (Wight) Cronquist

emeryense Dempster & Ehrendorfer [Wagner 1983]

Emery County bedstraw

fendleri Gray [Dempster 1973; M&H; W&S]

Fendler's bedstraw

flaviflorum Heller = Galium triflorum Michaux

frankliniense Correll = Galium wrightii Gray

mexicanum Humboldt, Bonpland, & Kunth var. ***asperrimum*** (Gray) Higgins & Welsh [Dempster 1976; M&H; W&S]

Mexican bedstraw

Galium asperrimum Gray

Galium mexicanum Humboldt, Bonpland, & Kunth subsp. *asperrimum* (Gray) Dempster

mexicanum Humboldt, Bonpland, & Kunth subsp. *asperrimum* (Gray) Dempster = Galium mexicanum Humboldt, Bonpland, & Kunth var. asperrimum (Gray) Higgins & Welsh

mexicanum Humboldt, Bonpland, & Kunth var. ***mexicanum*** [L. Dempster, in Kartesz 1999]

Mexican bedstraw

microphyllum Gray [M&H; W&S]

bract-leaf bedstraw

Relbunium microphyllum Hemsley

multiflorum Kellog var. ***coloradoense*** (Wight) Cronquist [Ehrendorfer 1956; M&H]

Colorado bedstraw

Galium coloradoense Wight

pilosum Aiton [M&H]

hairy bedstraw

proliferum Gray [M&H; W&S]

limestone bedstraw

Galium virgatum Nuttall var. *diffusum* Gray

rothrockii Gray = Galium wrightii Gray

septentrionale Roemer & Schultes = Galium boreale Linnaeus

stellatum Kellogg : Reported by W&S (as Galium acutissimum), but this species is a Mojave and Sonoran Desert element and has not since been recorded for NM.

Galium acutissimum Gray

tinctorium Linnaeus var. *subbiflorum* (Wiegand) Fernald = Galium trifidum Linnaeus subsp. subbiflorum (Wiegand) Puff

trifidum Linnaeus var. ***subbiflorum*** Wiegand [M&H; Puff 1976; W&S]

three-petal bedstraw

Galium brandegeei Gray

Galium tinctorium Linnaeus var. *subbiflorum* (Wiegand) Fernald

Galium trifidum Linnaeus subsp. *subbiflorum* (Wiegand) Puff

triflorum Michaux [M&H; W&S]

fragrant bedstraw
Galium flaviflorum Heller
virgatum Nuttall var. *diffusum* Gray = Galium proliferum Gray
wrightii Gray [Dempster 1973; M&H; Spellenberg et al. 1991; W&S]
Wright's bedstraw
Galium frankliniense Correll
Galium rothrockii Gray

Hedyotis star-violet

Terrell, E.E. 1979. New Species and combinations in Houstonia (Rubiaceae). Brittonia 31:164-169.
Terrell, E.E. 1996. Revision of *Houstonia* (Rubiaceae-Hedyotideae). Syst. Bot. Monogr. 48.
Terrell, E.E. 1996. Taxonomic notes on Texan and Mexican species of *Hedyotis* and *Houstonia* (Rubiaceae). Phytologia 81(2):108-114.
Terrell, E.E. 2001. Taxonomy of *Stenaria* (Rubiaceae): Hedyotideae), a new genus including *Hedyotis nigricans*. Sida 19(3):591-614.
Turner, B.L. 1995. Taxonomic overview of *Hedyotis nigricans* (Rubiaceae) and closely allied taxa. Phytologia 79(1):12-21.

acerosa Gray var. *bigelovii* (Greenman) W.H. Lewis = Houstonia acerosa (Gray) Gray ex Bentham & Hooker var. polypremoides (Gray) Terrell
angulata Fosberg ex Shinners [M&H]
angled star-violet
Houstonia rupicola Greenman [Terrell 1996]
greenei (Gray) W.H. Lewis [M&H; W&S]
Greene's star-violet
Oldenlandia greenei Gray
humifusa Gray = Houstonia humifusa Gray [Terrell 1996]
intricata Fosberg
tangled star-violet
Houstonia fasciculata Gray [Terrell 1996]
nigricans (Lamarck) Fosberg var. ***nigricans***
diamond-flowers
Houstonia angustifolia Michaux
Houstonia angustifolia Michaux var. *rigidiuscula* Gray
Houstonia nigricans (Lamarck) Fernald
Houstonia rigidiuscula (Gray) Wooton & Standley
Stenaria nigricans (Lamarck) Terrell
nigricans (Lamarck) Fosberg var. ***papillacea*** B.L. Turner [Turner 1995]
diamond-flowers
pygmaea Roemer & Schultes = Houstonia wrightii Gray
rubra (Cavanilles) Gray = Houstonia rubra Cavanilles

Houstonia bluets

Terrell, E.E. 1996. Revision of *Houstonia* (Rubiaceae-Hedyotideae). Syst. Bot. Monogr. 48.
Terrell, E.E. 1996. Taxonomic notes on Texan and Mexican species of *Hedyotis* and *Houstonia* (Rubiaceae). Phytologia 81(2):108-114.
Terrell, E.E. 2001. Taxonomic review of *Houstonia acerosa* and *H. palmeri*, with notes on *Hedyotis* and *Oldenlandia* (Rubiaceae). Sida 19(4):913-922.

acerosa (Gray) Gray ex Bentham & Hooker var. ***polypremoides*** (Gray) Terrell [M&H; Terrell 2001]
needle-leaf bluets
Hedyotis acerosa Gray var. *bigelovii* (Greenman) W.H. Lewis
Houstonia acerosa (Gray) Gray ex Bentham & Hooker subsp. *polypremoides* (Gray) Terrell
Houstonia polypremoides Gray
Houstonia polypremoides Gray var. *bigelovii* Grenman
acerosa Gray subsp. *polypremoides* (Gray) Terrell = Houstonia acerosa Gray
angustifolia Michaux = Hedeoma nigricans (Lamarck) Fosberg var. nigricans
angustifolia Michaux var. *rigidiuscula* Gray = Hedeoma nigricans (Lamarck) Fosberg var. nigricans
fasciculata Gray = Hedyotis intricata Fosberg
humifusa (Gray) Gray [M&H; Terrell 1996]
matted bluets
Hedyotis humifusa Gray
nigricans (Lamarck) Fernald = Hedeoma nigricans (Lamarck) Fosberg var. nigricans
polypremoides Gray = Houstonia acerosa (Gray) Gray ex Bentham & Hooker var. polypremoides (Gray) Terrell
polypremoides Gray var. *bigelovii* Grenman = Houstonia acerosa (Gray) Gray ex Bentham & Hooker var. polypremoides (Gray) Terrell
rigidiuscula (Gray) Wooton & Standley = Hedyotis nigricans (Lamarck) Fosberg var. nigricans
rubra Cavanilles [M&H; Terrell 1996]
red bluets
Hedyotis rubra (Cavanilles) Gray
Oldenlandia rubra Gray
rupicola Greenman = Hedyotis angulata Fosberg ex Shinners
wrightii Gray [M&H; Terrell 1996]
Wright's bluets
Hedyotis pygmaea Roemer & Schultes

Kelloggia kellogia

Sivinski, R., T. Lowrey, & R. Peterson. 1994. Additions to the native and adventive flora of New Mexico. Phytologia 76(6):473-479. [*Kelloggia galioides*]

galioides Torrey [Sivinski et al. 1994]

milky kelloggia
Oldenlandia greenei Gray = Hedyotis greenei (Gray) W.H. Lewis
rubra Gray = Houstonia rubra Cavanilles
Relbunium microphyllum Hemsley = Galium microphyllum Gray
Stenaria nigricans (Lamarck) Terrell = Hedyotis nigricans (Lamarck) Fosberg var. nigricans

Family RUTACEAE

Astrophyllum dumosum Torrey = Choisya dumosa (Torrey) Gray
Choisya Mexican-orange
dumosa (Torrey) Gray [M&H; W&S]
Mexican-orange
Astrophyllum dumosum Torrey
Ptelea hoptree
Bailey, V.L. 1962. Revision of the genus *Ptelea* (Rutaceae). Brittonia 14:1-45.
Brizicky, G.K. 1962. The genera of Rutaceae in the southeastern United States. J. Arnold Arbor. 43:1-22.
angustifolia Bentham = Ptelea trifoliata Linnaeus subsp. angustifolia (Bentham) V.L. Bailey var. angustifolia (Bentham) M.E. Jones
angustifolia Bentham var. *cognata* (Greene) Kearney & Peebles = Ptelea trifoliata Linnaeus subsp. angustifolia (Bentham) V.L. Bailey var. cognata (Greene) Kearney & Peebles
cognata Greene = Ptelea trifoliata Linnaeus subsp. angustifolia (Bentham) V.L. Bailey var. cognata (Greene) Kearney & Peebles
confinis Greene = Ptelea trifoliata Linnaeus subsp. pallida (Greene) V.L. Bailey var. confinis (Greene) V.L. Bailey
formosa Greene = Ptelea trifoliata Linnaeus subsp. polydenia (Greene) V.L. Bailey
jucunda Greene = Ptelea trifoliata Linnaeus subsp. angustifolia (Bentham) V.L. Bailey var. angustifolia (Bentham) M.E. Jones
neomexicana Greene = Ptelea trifoliata Linnaeus subsp. angustifolia (Bentham) V.L. Bailey var. angustifolia (Bentham) M.E. Jones
pallida Greene = Ptelea trifoliata Linnaeus subsp. pallida (Greene) V.L. Bailey var. pallida (Greene) V.L. Bailey
parvula Greene = Ptelea trifoliata Linnaeus subsp. polydenia (Greene) V.L. Bailey
subvestita Greene = Ptelea trifoliata Linnaeus subsp. polydenia (Greene) V.L. Bailey
tomentosa Rafinesque = Ptelea trifoliata subsp. trifoliolata var. mollis Torrey & Gray
trifoliata Linnaeus var. *angustifolia* (Bentham) M.E. Jones = Ptelea trifoliata Linnaeus subsp. angustifolia (Bentham) V.L. Bailey var. angustifolia (Bentham) M.E. Jones
trifoliata Linnaeus subsp. ***angustifolia*** (Bentham) V.L. Bailey var. ***angustifolia*** (Bentham) M.E. Jones [M&H; W&S]
hoptree
Ptelea angustifolia Bentham
Ptelea jucunda Greene
Ptelea neomexicana Greene
Ptelea trifoliata Linnaeus var. *angustifolia* (Bentham) M.E. Jones
trifoliata Linnaeus subsp. ***angustifolia*** (Bentham) V.L Bailey var. ***cognata*** (Greene) Kearney & Peebles [M&H]
hoptree
Ptelea angustifolia Bentham var. *cognata* (Greene) Kearney & Peebles
Ptelea cognata Greene
trifoliata Linnaeus subsp. ***pallida*** (Greene) V.L. Bailey var. ***confinis*** (Greene) V.L. Bailey [M&H]
hoptree
Ptelea confinis Greene
trifoliata Linnaeus subsp. ***pallida*** (Greene) V.L. Bailey var. ***pallida*** (Greene) V.L. Bailey [M&H]
hoptree
Ptelea pallida Greene
trifoliata Linnaeus subsp. ***polydenia*** (Greene) V.L. Bailey [M&H]
hoptree
Ptelea formosa Greene
Ptelea parvula Greene
Ptelea polydenia Greene
Ptelea subvestita Greene
trifoliata Linnaeus subsp. ***trifoliolata*** var. ***mollis*** Torrey & Gray [M&H; W&S]
hoptree
Ptelea tomentosa Rafinesque
Rutosma purpurea Wooton & Standley = Thamnosma texana (Gray) Torrey
texana Gray = Thamnosma texana (Gray) Torrey
Thamnosma rue
texana (Gray) Torrey [M&H; W&S]
Texas rue
Rutosma purpurea Wooton & Standley
Rutosma texana Gray

Family SALICACEAE

Populus cottonwood
Eckenwalder, J.E. 1977. North American *Populus* sect. *Abaso* and *Aigeiros*. J. Arnold Arbor. 58:193-208.
Eckenwalder, J.E. 1984. Natural intersectional hybridization between North American species of *Populus* (Salicaceae) in sections *Aigeiros* and *Tacamahaca*. II. Taxonomy. Canad. J. Bot. 63:325-335.
Floate, K.D. & T.G. Whitham. 1995. Insects as traits in plant systematics: their use in discriminating between hybrid cottonwoods. Can. J. Bot. 73:1-13.

Great Plains Flora Association. 1977. Atlas of the Flora of the Great Plains. Iowa State Univ. Press. 600 pp. [*Populus deltoides* subsp. *deltoides*]

×***acuminata*** Rydberg [W&S] Note: these plants represent hybrids between Populus angustifolia × P. deltoides
lance-leaf cottonwood

****alba*** Linnaeus
white poplar

angustifolia James [W&S]
narrow-leaf cottonwood

aurea Tidestrom = Populus tremuloides Michaux var. aurea (Tidestrom) Daniels

deltoides Bartram ex H. Marshall subsp. ***deltoides*** [Great Plains Flora Association 1977]
eastern cottonwood

deltoides Bartram ex H. Marshall subsp. ***monilifera*** (Aiton) Eckenwalder [Eckenwalder 1977]
eastern cottonwood
Populus deltoides Marshall var. *occidentalis* Rydberg
Populus sargentii Dode

deltoides Marshall var. *occidentalis* Rydberg = Populus deltoides Bartram ex H. Marshall subsp. monilifera (Aiton) Eckenwalder

deltoides Bartram ex H. Marshall subsp. ***wislizeni*** (S. Watson) Eckenwalder [Eckenwalder 1977; W&S]
Rio Grande cottonwood
Populus fremontii S. Watson var. *wislizeni* S. Watson
Populus wislizeni (S. Watson) Sargent

fremontii S. Watson subsp. ***fremontii***
Fremont's cottonwood
Populus fremontii S. Watson var. *thornberi* Sargent

fremontii S. Watson var. *thornberi* Sargent = Populus fremontii S. Watson subsp. fremontii

fremontii S. Watson var. *wislizeni* S. Watson = Populus deltoides H. Marshall subsp. wislizeni (S. Watson) Eckenwalder

×***hinckleyana*** Correll [Eckenwalder 1984] Note: these plants represent hybrids between Populus angustifolia × P. fremontii
Hinckley's cottonwood

*nigra Linnaeus : Reported without documentation by Kartesz (1999); awaits verification.

sargentii Dode = Populus deltoides H. Marshall subsp. monilifera (Aiton) Eckenwalder

tremuloides Michaux [M&H; W&S]
quaking aspen
Populus aurea Tidestrom
Populus tremuloides Michaux var. *aurea* (Tidestrom) Daniels

tremuloides Michaux var. *aura* (Tidestrom) Daniels = Populus tremuloides Michaux

wislizeni (S. Watson) Sargent = Populus deltoides H. Marshall subsp. wislizeni (S. Watson) Eckenwalder

Salix willow

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Salix boothii*]
Argus, G.W. 1986. Studies of the *Salix lucida* and *Salix reticulata* complexes in North America. Can. J. Bot. 64:541-551.
Argus, G.W. 1986. The genus *Salix* (Salicaceae) in the southeastern United States. Syst. Bot. Monogr. 9:1-170.
Argus, G.W. 1995. Salicaceae. J. Ariz.-Nev. Acad. Sci. 29(1):39-62.
Argus, G.W. & S.G. Aiken. 1987. Noteworthy collections (New Mexico). Madroño 34:268-269. [*Salix geyeriana*]
Dorn, R.D. 1975. A systematic study of *Salix* section Cordatae in North America. Can. J. Bot. 53:1491-1522. [Salicaceae]
Dorn, R.D. 1977. Willows of the Rocky Mountain states. Rhodora 79:390-429. [Salicaceae]
Dorn, R.D. 1994. North American *Salix* (Salicaceae): Typifications and notes. Phytologia 77:89-95.
Dorn, R.D. 1995. A taxonomic study of *Salix* section *Cordatae* subsection *Luteae* (Salicaceae). Brittonia 47:160-174.
Dorn, R.D. 1996. New plant distribution records (*Salix arizonica*). The New Mexico Botanist 2:5.
Dorn, R.D. 1998. A taxonomic study of *Salix* section *Longifoliae* (Salicaceae). Brittonia 50(2):193-210.
Dorn, R.D. 2000. A taxonomic study of *Salix* sections *Mexicanae* and *Viminella* subsection *Sitchenses* (Salicaceae) in North America. Brittonia 52(1):1-19.
Dorn, R.D. 2002. New plant distribution records. The New Mexico Botanists 22:7. [*Salix bonplandiana laevigata, S. fragilis*]
Dorn, R.D. 2002. Plant distribution reports. The New Mexico Botanist 24:7. [*S. wolfii*]
Nesom, G.L. 2002. New combination in Salix (Salicaceae). Sida 20(2):523-524.

amygdaloides Andersson [M&H; W&S]
peach-leaf willow
Salix amygdaloides Andersson var. *wrightii* (Andersson) Schneider
Salix wrightii Andersson

amygdaloides Andersson var. *wrightii* (Andersson) Schneider = Salix amygdaloides Andersson

anglorum Chamisso var. *antiplasta* Schneider = Salix arctica Pallas var. petraea (Andersson) Bebb

arctica Pallas var. ***petraea*** (Andersson) Bebb [Dorn 1994; M&H; W&S]
arctic willow
Salix anglorum Chamisso var. *antiplasta* Schneider
Salix petrophila Rydberg

argophylla Nuttall = Salix exigua Nuttall subsp. exigua

arizonica Dorn [Dorn 1996]
Arizona willow

arguta Andersson = Salix lucida Muhlenberg subsp. caudata (Nuttall) Argus

****babylonica*** Linnaeus Note: Not definitely reported from the wild in NM, but commonly cultivated and persisting around old dwellings, and so included here.
weeping willow
Salix ×*pendulina* Wenderoth
Salix ×*sepulcralis* Simonkai

bebbiana Sargent [M&H; W&S]
gray willow, Bebb willow
Salix bebbiana Sargent var. *perrostrata* (Rydberg) Schneider
Salix perrostrata Rydberg
Salix rostrata Richards, not Thuiller
bebbiana Sargent var. *perrostrata* (Rydberg) Schneider = Salix bebbiana Sargent
bonplandiana Kunth var. bonplandiana : Included for NM by Dorn (1994), M&H, and W&S, based on Mearns 2189, collected along the border in the San Luis Mountains and thought to have been in NM, but known to have been 5-10 south of NM.
bonplandiana Kunth var. ***bonplandiana*** [Dorn 1994; M&H; W&S]
red willow
bonplandiana Kunth var. ***laevigata*** (Bebb) Dorn [Dorn 2002]
polished willow
Salix laevigata Bebb
boothii Dorn [Allred 1999]
Booth's willow
Salix myrtillifolia auct., non Andersson
Salix pseudocordata auct., non Andersson
brachycarpa Nuttall var. ***brachycarpa*** [Dorn 1996]
short-fruit willow
caudata (Nuttall) Heller var. *bryantiana* Ball & Bracelin = Salix lucida Muhlenberg subsp. caudata (Nuttall) Argus
caudata (Nuttall) Heller var. *caudata* = Salix lucida Muhlenberg subsp. caudata (Nuttall) Argus
chlorophylla Andersson = Salix planifolia Pursh
cordata Muhlenberg var. watsonii Bebb [= Salix eriocephala Michaux var. watsonii (Bebb) Dorn] : Reported by W&S, but not known in NM (Dorn 1995).
drummondiana Barratt ex Hooker [Dorn 1977; M&H; W&S]
Drummond willow
Salix subcoerulea Piper
eriocephala Michaux var. ***ligulifolia*** (C.R. Ball) Dorn [Dorn 1995; M&H]
Missouri willow
Salix ligulifolia (Ball) Ball ex Schneider
Salix lutea Nuttall var. *ligulifolia* Ball
exigua Nuttall subsp. ***exigua*** [Dorn 1998; M&H; W&S]
coyote willow
Salix argophylla Nuttall
Salix exigua Nuttall var. *stenophylla* (Rydberg) Schneider
Salix stenophylla Rydberg
exigua Nuttall subsp. ***interior*** (Rowlee) Cronquist [M&H; W&S]
sandbar willow
Salix exigua Nuttall var. *sericans* (Nees) Nesom
Salix fluviatilis sensu W&S
Salix interior Rowlee
Salix longifolia Muhlenberg
exigua Nuttall var. *sericans* (Nees) Nesom = Salix exigua Nuttall subsp. interior (Rowlee) Cronquist
exigua Nuttall var. *stenophylla* (Rydberg) Schneider = Salix exigua Nuttall subsp. exigua
exilifolia Dorn [Dorn 1998; M&H; Sivinski 1996; W&S]
New Mexico willow
Salix taxifolia of NM works
fendleriana Andersson = Salix lucida Muhlenberg subsp. caudata (Nuttall) Argus
fluviatilis sensu W&S = Salix exigua Nuttall subsp. interior (Rowlee) Cronquist
****fragilis*** Linnaeus [Dorn 2002]
crack willow
geyeriana Andersson [Argus & Aiken 1987]
Geyer willow
glauca Linnaeus var. glabrescens (Andersson) Schneider : This name belongs to plants of Alaska and Yukon Territory, and is not represented in NM (Argus 1965).
glauca Linnaeus var. ***villosa*** (D. Don ex Hooker) Andersson [M&H; W&S]
pale willow
Salix glaucops Andersson
Salix pseudolapponum von Seemann
glaucops Andersson = Salix glauca Linnaeus var. villosa Andersson
gooddingii Ball [M&H]
Goodding's willow
Salix nigra Marshall var. *vallicola* Dudley
interior Rowlee s.s. = Salix exigua Nuttall subsp. interior (Rowlee) Cronquist
interior Rowlee var. angustissima (Andersson) Dayton [=Salix thurberi Rowlee] : Not yet known from NM.
irrorata Andersson [M&H; W&S]

blue-stem willow

laevigata Bebb = Salix bonplandiana Kunth var. laevigata (Bebb) Dorn

lasiandra Bentham = Salix lucida Muhlenberg subsp. lasiandra (Bentham) Argus

lasiandra Bentham var. *caudata* (Nuttall) Sudworth = Salix lucida Muhlenberg subsp. caudata (Nuttall) Murray

lasiolepis Bentham [M&H]

arroyo willow

ligulifolia (Ball) Ball ex Schneider = Salix eriocephala Michaux

longifolia Muhlenberg = Salix exigua Nuttall subsp. interior (Rowlee) Cronquist

lucida Muhlenberg subsp. ***caudata*** (Nuttall) Murray [Argus 1986; M&H; W&S]

shining willow

Salix arguta Andersson

Salix caudata (Nuttall) Heller var. *bryantiana* Ball & Bracelin

Salix caudata (Nuttall) Heller var. *caudata*

Salix fendleriana Andersson

Salix lasiandra Bentham var. *caudata* (Nuttall) Sudworth

lucida Muhlenberg subsp. ***lasiandra*** (Bentham) Murray [Argus 1986; M&H; W&S]

shining willow

Salix lasiandra Bentham

lutea Nuttall var. *ligulifolia* Ball = Salix eriocephala

lutea Nuttall var. lutea [=Salix eriocephala Michaux var. watsonii (Bebb) Dorn] : Reported by M&H; not known in NM (Dorn 1995).

monticola Bebb [Dorn 1995; M&H; W&S]

park willow

Salix monticola Bebb. var. *neomexicana* E.H. Kelso

Salix padophylla Rydberg

Salix pseudomonticola Ball var. *padophylla* (Rydberg) Ball

monticola Bebb. var. *neomexicana* E.H. Kelso = Salix monticola Bebb

myrtillifolia auct., non Andersson = Salix boothii Dorn

nigra Marshall [Great Plains Flora Association 1977] Note: These are perhaps just relict plants from old settlements, and should then be considered as exotic.

nigra Marshall var. *vallicola* Dudley = Salix gooddingii Ball

nivalis Hooker var. *nivalis* = Salix reticulata Linnaeus subsp. nivalis (Hooker) Löve, Löve, & Kapoor

nivalis Hooker var. *saximontana* (Rydberg) Schneid = Salix reticulata Linnaeus subsp. nivalis (Hooker) Löve, Löve, & Kapoor

×*pendulina* Wenderoth = Salix babylonica Linnaeus

perrostrata Rydberg = Salix bebbiana Sargent

petrophila Rydberg = Salix arctica Pallas var. petraea (Andersson) Bebb

phylicifolia Linnaeus : This is an Eurasian species not occurring in NM; NM populations are referred to Salix planifolia (Dorn pers. comm. 1995; Kartesz 1994).

phylicifolia Linnaeus var. *monica* (Bebb) Jepson = Salix planifolia Pursh

planifolia Pursh [M&H; W&S]

tea-leaf willow

Salix chlorophylla Andersson

Salix phylicifolia Linnaeus var. *monica* (Bebb) Jepson

Salix planifolia Pursh var. *monica* (Bebb) Schneider

planifolia Pursh var. *monica* (Bebb) Schneider = Salix planifolia Pursh subsp. planifolia

podophylla Rydberg = Salix monticola Bebb

pseudocordata auct., non Andersson = Salix boothii Dorn

pseudolapponum von Seem = Salix glauca Linnaeus var. villosa Andersson

pseudomonticola Ball var. *padophylla* (Rydberg) Ball = Salix monticola Bebb

reticulata Linnaeus subsp. ***nivalis*** (Hooker) Löve, Löve, & Kapoor [Argus 1986; M&H; W&S]

net-vein willow

Salix nivalis Hooker var. *nivalis*

Salix nivalis Hooker var. *saximontana* (Rydberg) Schneid

Salix saximontana Rydberg

rostrata Richards, not Thuiller = Salix bebbiana Sargent

saximontana Rydberg = Salix reticulata Linnaeus subsp. nivalis (Hooker) Löve, Löve, & Kapoor

scouleriana Barratt ex Hooker [Dorn 1977; M&H; W&S]

Scouler willow

×*sepulcralis* Simonkai = Salix babylonica Linnaeus

stenophylla Rydberg = Salix exigua Nuttall subsp. exigua

subcoerulea Piper = Salix drummondiana Barratt ex Hooker

taxifolia sensu M&H and W&S = Salix exilifolia Dorn

wrightii Andersson = Salix amygdaloides Andersson

wolfii Bebb var. ***wolfii*** [Dorn 2002]

Idaho willow

Family SANTALACEAE

Comandra bastard-toadflax

Laferrire, J.E. 1994. Santalaceae. J. Ariz.-Nev. Acad. Sci. 27(2):240.
Piehl, M.A. 1965. The natural history and taxonomy of Comandra (Santalaceae). Mem. Torrey Bot. Club 22(1):1-97.
pallida A. A.P. de Candolle = Commandra umbellata (Linnaeus) Nuttall subsp. pallida (A. A.P. de Candolle) Piehl
umbellata (Linnaeus) Nuttall subsp. ***pallida*** (A. A.P. de Candolle) Piehl [M&H; Piehl 1965; W&S]
bastard-toadflax
Comandra pallida A. A.P. de Candolle

Family SAPINDACEAE

Sapindus soapberry
drummondii Hooker & Arnott [M&H; W&S]
soapberry
Sapindus saponaria Linnaeus var. *drummondii* (Hooker & Arnott) L. Benson
saponaria Linnaeus var. *drummondii* (Hooker & Arnott) L. Benson = Sapindus drummondii Hooker & Arnott
Ungnadia Mexican-buckeye
speciosa Endlicher [M&H; W&S]
Mexican-buckeye

Family SAPOTACEAE

Pennington, T.D. 1990. Sapotaceae. Flora Neotrop. Monogr. 52:95-172.
Pennington, T.D. 1991. The genera of Sapotaceae. Royal Botanic Gardens, Kew, England.
Bumelia lanuginosa (Michaux) Persoon var. rigida Gray = Sideroxylon lanuginosm Michaux subsp. rigidum (Gray) Pennington
rigida (Gray) Small = Sideroxylon lanuginosum Michaux subsp. rigidum (Gray) Pennington
Sideroxylon bumelia
Clark, R.B. 1942. A revision of the genus *Bumelia* in the United States. Ann. Missouri Bot. Gard. 29:155-182.
lanuginosum Michaux subsp. ***rigidum*** (Gray) Pennington [M&H; Pennington 1990; W&S]
gumbully
Bumelia lanuginosa (Michaux) Persoon var. *rigida* Gray
Bumelia rigida (Gray) Small

Family SAURURACEAE

Buddell, G.F., II, & J.W. Thieret. 1997. Saururaceae, pp. 37-38. IN: Flora of North America, vol. 3. Oxford University Press.
Anemopsis yerba-mansa
californica (Nuttall) Hooker & Arnott [Buddell & Thieret 1997; M&H; W&S]
yerba-mansa

Family SAXIFRAGACEAE

Elvander, P. 1992. Saxifragaceae. J. Ariz.-Nev. Acad. Sci. 26(1):36-41.
Holmgren, P.K. & N.H. Holmgren. 1997. Saxifragaceae, pp. 33-60. IN: Intermountain Flora, vol. 3A. New York Botanical Garden.
Spongberg, S.A. 1972. The genera of Saxifragaceae in the southeastern United States. J. Arnold Arbor. 53:409-498.
Boykinia boykinia
Gornall, R.J. & B.A. Bohm. 1985. A monograph of *Boykinia*, *Peltoboykinia*, *Bolandra*, and *Siksdorfia* (Saxifragaceae). Bot. J. Linn. Soc. 90:1-71.
jamesii (Torrey) Engler [Gornal & Bohm 1985]
James's boykinia
Telesonix jamesii (Torrey) Rafinesque
Fendlera = see HYDRANGEACEAE
Fendlerella = see HYDRANGEACEAE
Heuchera alumroot
Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233. [*Heuchera hallii*]
Rosendahl, C.O., F.K. Butters, & O. Lakela. 1936. A monograph on the genus Heuchera. Minnesota Stud. Pl. Sci. 2:1-180.
Todsen, T.K. 1982. Noteworthy collections (New Mexico). Madroño 29:60. [*Heuchera glomerulata*]
flavescens Rydberg = Heuchera parvifolia Nuttall
glomerulata Rosendahl, Butters, & Lakela [Todsen 1982]
Chiricahua alumroot
hallii Gray [Hartman et al. 2006]
Front Range alumroot
leptomeria Greene = Heuchera rubescens Torrey
nana (Gray) Rydberg = Heuchera rubescens Torrey
novomexicana Wheelock [M&H; W&S]
New Mexico alumroot
parvifolia Nuttall ex Torrey & Gray [M&H; W&S]
little-leaf alumroot
Heuchera flavescens Rydberg
Heuchera parvifolia Nuttall ex Torrey & Gray var. *flavescens* (Rydberg) Rosendahl et al.
Heuchera parvifolia Nuttall ex Torrey & Gray var. *microcarpa* Rosendahl, Butters, & Lakela
parvifolia Nuttall ex Torrey & Gray var. *flavescens* (Rydberg) Rosendahl et al. = Heuchera parvifolia Nuttall
parvifolia Nuttall ex Torrey & Gray var. *microcarpa* Rosendahl, Butters, & Lakela = Heuchera parvifolia Nuttall
pulchra Rydberg = Heuchera sanguinea Engelmann

+***pulchella*** Wooton & Standley [M&H; W&S]
Sandia alumroot
rubescens Torrey [M&H; W&S]
pink alumroot
Heuchera leptomeria Greene
Heuchera nana (Gray) Rydberg
Heuchera rubescens Torrey var. *nana* Gray
Heuchera sitgreavesii Rydberg
Heuchera versicolor Greene
Heuchera versicolor Greene var. *leptomeria* (Greene) Kearney & Peebles
rubescens Torrey var. *nana* Gray = Heuchera rubescens Torrey
sanguinea Engelmann [M&H; Todsen 1973]
coral-bells
Heuchera pulchra Rydberg
Heuchera sanguinea Engelmann var. *pulchra* (Rydberg) Rosendahl et al.
sanguinea Engelmann var. *pulchra* (Rydberg) Rosendahl et al. = Heuchera sanguinea Engelmann
versicolor Greene s.s. = Heuchera rubescens Torrey
versicolor Greene var. *leptomeria* (Greene) Kearney & Peebles = Heuchera rubescens Torrey
sitgreavesii Rydberg = Heuchera rubescens Torrey
+***wootonii*** Rydberg [M&H; W&S]
Wooton's alumroot
Jamesia = see HYDRANGEACEAE
Leptasea austromontana (Wiegand) Small = Saxifraga bronchialis Linnaeus subsp. austromontana (Wiegand) Piper
chrysantha (Gray) Small = Saxifraga serpyllifolia Pursh
flagellaris (Willdenow) Small = Saxifraga flagellaris Willdenow
Lithophragma woodland-star
Taylor, R.L. 1965. The genus *Lithophragma* (Saxifragaceae). Univ. Calif. Publ. Bot. 37:1-122.
australis Rydberg = Lithophragma tenella Nuttall [M&H]
tenellum Nuttall [M&H; W&S]
woodland-star
Lithophragma australis Rydberg
Micranthes arguta (D. Don) Small = Saxifraga arguta D. Don
eriophora (S. Watson) Small = Saxifraga eriophora S. Watson
rhomboidea (Greene) Small = Saxifraga rhomboidea Greene
Mitella bishop's-cap
Ferguson, T. 2005. Plant distribution reports. The New Mexico Botanist 34:7. [*Mitella pentandra*]
pentandra Linnaeus [Ferguson 2005]
five-star bishop's-cap
Parnassia = see PARNASSIACEAE
Philadelphus = see HYDRANGEACEAE
Ribes = see GROSSULARIACEAE
Saxifraga saxifrage
Calder, J.A. & D.B.O. Saville. 1960. Studies in Saxifragaceae III. *Saxifraga odontoloma* and *lyallii*, and North American subspecies of *S. punctata*. Canad. J. Bot. 38:409-435.
Elvander, P. 1984. The taxonomy of *Saxifraga* (Saxifragaceae) section *Boraphila* subsection *Integrifoliae* in western North America. Syst. Bot. Monogr. 3:1-44.
Gornall, R.J. 1987. An outline of a revised classification of *Saxifraga* L. Bot. J. Linn. Soc. 95:273-292.
Jorgensen, M.H., R. Elven, A. Tribsch, T.M. Gabrielsen, B. Stedje, & C. Brochmann. 2006. Taxonomy and evolutionary relationships in the *Saxifraga rivularis* complex. Syst. Bot. 31(4):702-729.
Keller, C.F. 2006. Plant distribution reports (*Saxifraga hirculus*). The New Mexico Botanist 35:3.
Krause, D.L. & K.I. Beamish. 1972. Taxonomy of *Saxifraga occidentalis* and *S. marshallii*. Can. J. Bot. 50:2131-2141. [*Saxifraga occidentalis*]
arguta auct. non D. Don = Saxifraga odontoloma Piper
austromontana Wiegand = Saxifraga bronchialis Linnaeus subsp. austromontana (Wiegand) Piper
bronchialis Linnaeus subsp. ***austromontana*** (Wiegand) Piper [M&H; W&S]
yellow-spot saxifrage
Leptasea austromontana (Wiegand) Small
Saxifraga austromontana Wiegand
caespitosa Linnaeus [Holmgren & Holmgren 1997]
tufted saxifrage
cernua Linnaeus [M&H; W&S]
nodding saxifrage
chrysantha Gray [M&H; W&S]
golden saxifrage
Leptasea chrysantha (Gray) Small
Saxifraga serpyllifolia Pursh var. *chrysantha* (Gray) Dorn
crandallii Gandoger = Saxifraga flagellaris Willdenow ex Sternberg var. crandallii (Gandoger) Dorn
debilis Engelmann = Saxifraga rivularis Linnaeus
eriophora S. Watson [M&H; W&S]
red-fuzz saxifrage

Micranthes eriophora (S. Watson) Small

flagellaris Willdenow ex Sternberg var. ***crandallii*** (Gandoger) Dorn [M&H; W&S]

whiplash saxifrage

Leptasea flagellaris (Willdenow) Small

Saxifraga crandallii Gandoger

hirculus Linnaeus subsp. ***hirculus*** [Keller 2006]

marsh saxifrage

occidentalis S. Watson : Reported "occasionally as far south as New Mexico" by Krause and Beamish (1972); other works do not list NM; awaits verification.

odontoloma Piper [M&H; W&S]

streambank saxifrage

Micranthes arguta auct. non (D. Don) Small

Saxifraga arguta auct. non D. Don

Saxifraga punctata Linnaeus subsp. *arguta* auct. non (D. Don) Hultén

Saxifraga punctata Linnaeus var. *arguta* auct. non (D. Don) Engelmann & Irmscher

punctata Linnaeus subsp. *arguta* auct. non (D. Don) Hultén = Saxifraga odontoloma Piper

punctata Linnaeus var. *arguta* auct. non (D. Don) Engelmann & Irmscher = Saxifraga odontoloma Piper

rhomboidea Greene [Elvander 1984; M&H; W&S]

daimond-leaf saxifrage

Micranthes rhomboidea (Greene) Small

rivularis Linnaeus [M&H]

brook saxifrage

Saxifraga debilis Engelmann

serpyllifolia Pursh var. *chrysantha* (Gray) Dorn = Saxifraga chrysantha Gray

Telesonix jamesii (Torrey) Rafinesque = Boykinia jamesii (Torrey) Engler

Family SCROPHULARIACEAE

Holmgren, N. 1984. Scrophulariaceae, pp.344-506. IN: Intermountain Flora, vol. 4. New York Botanical Garden.

Agalinus false-foxglove

Canne, J.M. 1979 [1980]. A light and scanning electron microscope study of seed morphology in *Agalinis* (Scrophulariaceae) and its taxonomic significance. Syst. Bot. 4:281-296.

Canne, J.M. 1980. Seed surface features in *Auerolaria*, *Brachystigma*, *Tomanthera*, and certain South American *Agalinis* (Scrophulariaceae). Syst. Bot. 5:241-252.

Peterson, R.S. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Agalinus calycina*]

calycina Pennell [Peterson 2000]

leoncita

tenuifolia (Vahl) Rafinesque var. ***parviflora*** (Nuttall) Pennell [M&H]

false-foxglove

Gerardia tenuifolia Vahl var. *parviflora* Nuttall

Andenostegia wrightii (Gray) Greene = Cordylanthus wrightii Gray

Antirrhinum antirrhiniflora (Humboldt & Bonpland ex Willdenow) Hitchcock = Maurandya antirrhiniflora Humboldt & Bonpland ex Willdenow

Bacopa water-hyssop

Barrett, S.C.H. & J.L. Strother. 1978. Taxonomy and natural history of *Bacopa* (Scrophulariaceae) in California. Syst. Bot. 3:408-419.

Pennell, F.W. 1946. Reconsideration of the *Bacopa-Herpestis* problem of the Scrophulariaceae. Proc. Acad. Nat. Sci. Philadelphia 98:83-98.

rotundifolia (Michaux) Wettstein [M&H]

water-hyssop

Monniera rotundifolia Michaux

Besseya alpina (Gray) Rydberg = Synthyris alpina Gray

arizonica Pennell = Synthyris plantaginea (James) Bentham

oblongifolia Pennell = Synthyris oblongifolia (Pennell) Hufford & McMahon

plantaginea (James) Rydberg = Synthyris plantaginea (James) Bentham

Brachystigma desert-foxglove

Canne, J.M. 1980. Seed surface features in *Auerolaria*, *Brachystigma*, *Tomanthera*, and certain South American *Agalinis* (Scrophulariaceae). Syst. Bot. 5:241-252.

wrightii (Gray) Pennell [M&H; W&S]

Wright's desert-foxglove

Dasystoma wrightii (Gray) Wooton & Standley

Gerardia wrightii Gray

Castilleja Indian-paintbrush

Cockman, J.S. & R.D. Pieper. 1997. A preliminary checklist of plant species for the southern foothills of the Sacramento Mountains, Otero County, New Mexico. NM Agr. Exp. Sta. Res. Rpt. 721. [*Castilleja mexicana*, as *C. tortifolia*]

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*Castilleja scabrida*]

Holmgren, N. 1984. Scrophulariaceae, pp.344-506. IN: Intermountain Flora, vol. 4. New York Botanical Garden.

McIntosh, L. 1994. First report of *Castilleja ornata* (Scrophulariaceae) from the United States. Phytologia 76:329-332.

Spellenberg, R., L. McIntosh, & L. Brouillet. 1993. New records of angiosperms from southern New Mexico. Phytologia 75:224-230. [*Castilleja exserta*]

angustifolia (Nuttall) Don : Reported by W&S, but not known from NM (M&H; Holmgren 1984).

austromontana Standley & Blumer [M&H; W&S]

Rincon Indian-paintbrush

chromosa A. Nelson [M&H]

Castilleja eremophila Wooton & Standley
confusa Greene = Castilleja miniata Douglas ex Hooker
crista-galli Rydberg = Castilleja miniata Douglas ex Hooker
eremophila Wooton & Standley = Castilleja chromosa A. Nelson
exilis A. Nelson = Castilleja minor Gray
exserta Heller, Chuang, & Heckard subsp. ***exserta*** [Spellenberg et al. 1993]
purple Indian-paintbrush
galeata A. Nelson = Castilleja patriotica Fernald
gloriosa Britton = Castilleja integra Gray
haydenii (Gray) Cockerell [M&H; W&S]
alpine Indian-paintbrush
inconstans Standley = Castilleja miniata Douglas ex Hooker
integra Gray [M&H; W&S]
southwestern Indian-paintbrush
Castilleja gloriosa Britton
Castilleja tomentosa Gray
lanceifolia Rydberg = Castelleja rhexifolia Rydberg
lanata Gray [M&H; W&S]
wooly Indian-paintbrush
lauta A. Nelson = Castilleja rhexifolia Rydberg
laxa Gray = Castilleja tenuiflora Bentham
linariifolia Bentham [M&H; W&S]
Wyoming Indian-paintbrush
Castilleja linariifolia Bentham var. *omnipubescens* (Pennell) Clokey
Castilleja linearis Rydberg
linariifolia Bentham var. *omnipubescens* (Pennell) Clokey = Castilleja linariifolia Bentham
linearis Rydberg = Castilleja linariifolia Bentham
lineata Greene [M&H; W&S]
marshy Indian-paintbrush
luteovirens Rydberg = Castilleja sulphurea Rydberg
mexicana (Hemsley) Gray [Cockman 1997]
Mexican Indian-paintbrush
Castilleja tortifolia Pennell
miniata Douglas ex Hooker [M&H; W&S]
showy Indian-paintbrush
Castilleja confusa Greene
Castilleja crista-galli Rydberg
Castilleja inconstans Standley
Castilleja trinervis Rydberg
minor Gray [M&H; W&S]
alkali Indian-paintbrush
Castilleja exilis A. Nelson
Castilleja stricta Rydberg
obtusiloba Rydberg = Castelleja rhexifolia Fydberg
occidentalis Torrey [M&H; W&S]
pale Indian-paintbrush
+*organorum* Standley [M&H; W&S]
Organ Mountain Indian-paintbrush
ornata Eastwood [McIntosh 1994]
glowing Indian-paintbrush
patriotica Fernald [M&H]
Huachuca Indian-paintbrush
Castilleja galeata A. Nelson
×***porterae*** Cockerell [W&S]
Porter's Indian-paintbrush
rhexifolia Rydberg [M&H; W&S]
rosy Indian-paintbrush
Castilleja lauta A. Nelson
Castilleja lanceifolia Rydberg
Castilleja obtusiloba Rydberg
scabrida Eastwood [Heil et al. 2002]
rough Indian-paintbrush
septentrionalis Lindley sensu stricto : Reported by M&H, but NM plants referred here belong to Castilleja sulphurea Rydberg (Holmgren 1984).
sessiliflora Pursh [M&H; W&S]
Great Plains Indian-paintbrush

stricta Rydberg = Castilleja minor Gray
sulphurea Rydberg [M&H; W&S]
sulphur-flowered Indian-paintbrush
Castilleja luteovirens Rydberg
tenuiflora Bentham [M&H]
Santa Catalina Indian-paintbrush
Castilleja laxa Gray
tortifolia Pennell = Castilleja mexicana (Hermsley) Gray
trinervis Rydberg = Castilleja miniata Douglas ex Hooker
tomentosa Gray = Castilleja integra Gray
wootonii Standley [M&H; W&S]
Wooton's Indian-paintbrush
Chelone barbata Cavanilles = Penstemon barbatus (Cavanilles) Roth subsp. barbatus
Collinsia blue-eyed-Mary
Newsom, V.M. 1929. A revision of the genus *Collinsia* (Scrophulariaceae). Bot. Gaz. 87:260-301.
parviflora Douglas [M&H]
blue-eyed-Mary
Collinsia tenella (Pursh) Piper
tenella auct., not (Pursh) Piper = Collinsia parviflora Douglas
Conobea intermedia Gray = Schistophragma intermedia (Gray) Pennell
Cordylanthus bird's-beak
Chuang, T.I. & L.R. Heckard. 1986. Systematics and evolution of *Cordylanthus* (Scrophulariaceae -- Pedicularieae). Syst. Bot. Monogr. 10:1-105.
Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Cordylanthus laxiflorus*]
laxiflorus Gray = Cordylanthus maritimus Nuttall ex Bentham
maritimus Nuttall ex Bentham [Spellenberg et al. 1986]
alkali bird's-beak
Cordylanthus laxiflorus Gray
wrightii Gray subsp. ***tenuifolius*** (Pennell) Chuang & Heckard [Chuang & Heckard 1986]
Wright's bird's-beak
wrightii Gray subsp. ***wrightii*** [M&H; W&S]
Wright's bird's-beak
Andenostegia wrightii (Gray) Greene
Dasystoma wrightii (Gray) Wooton & Standley = Brachystigma wrightii (Gray) Pennell
Elephantella groenlandica (Retzius) Rydberg = Pedicularis groenlandica Retzius
Epixiphium wislizeni (Engelmann ex Gray) Munz = Maurandya wislizeni Engelmann ex Gray
Gerardia tenuifolia Vahl var. *parviflora* Nuttall = Agalinus tenuifolia (Vahl) Rafinesque var. parviflora (Nuttall) Pennell
wrightii Gray = Brachystigma wrightii (Gray) Pennell
Gratiola clammy hyssop
anagallidea Michaux = Lindernia anagallidea (Michaux) Pennell
dubia Linnaeus = Lindernia dubia (Linnaeus) Pennell
neglecta Torrey [M&H]
clammy hyssop
Gratiola virginica of western authors, misapplied
virginica of western authors, misapplied = Gratiola neglecta Torrey
Illysanthes dubia (Linnaeus) Barnhart = Lindernia dubia (Linnaeus) Pennell
Leiostemon ambiguus (Torrey) Greene = Penstemon ambiguus Torrey subsp. ambiguus
thurberi Greene = Penstemon thurberi Torrey
Leucophyllum Texas sage
Henrickson, J. & L.D. Flyr. 1985. Systematics of *Leucophyllum* and *Eremogeton* (Scrophulariaceae). Sida 11(2):107-172.
minus Gray [Henrickson & Flyr 1985; M&H; W&S]
Big Bend Texas sage
Limosella mudwort
Sivinski, R. & K. Lightfoot, eds. 1995. Inventory of rare and endangered plants of New Mexico. New Mexico Forestry and Resources Conservation Division, Misc. Publ. No. 4.
acaulis Sessé & Mociño = Limosella aquatica Linnaeus
aquatica Linnaeus [M&H; W&S]
mudwort
Limosella acaulis Sessé & Mociño
pubiflora Pennell Note: The status of this taxon is problematical, whether a valid species or not (Sivinski & Lightfoot 1995).
mudwort
Linaria toadflax
Sutton, D.A. 1988. A revision of the tribe Anthirrhineae. Oxford University Press, London, England.
canadensis sensu W&S = Nuttallanthus texanus (Scheele) D.A. Sutton
canadensis (Linnaeus) Dumortier var. *texana* (Scheele) Pennell = Nuttallanthus texanus (Scheele) D.A. Sutton
****dalmatica*** (Linnaeus) Miller [M&H]
Dalmatian toadflax
texana Scheele = Nuttallanthus texanus (Scheele) D.A. Sutton

***vulgaris** Hill [M&H]
butter-and-eggs

Lindernia false-pimpernell
McGrath, J. 2002. Plant distribution reports. The New Mexico Botanist 24:7. [*Lindernia dubia*]
anagallidea (Michaux) Pennell : Reported as expected by M&H map; awaits verification.
Gratiola anagallidea Michaux
dubia (Linnaeus) Pennell [McGrath 2002]
false-pimpernell
Gratiola dubia Linnaeus
Illysanthes dubia (Linnaeus) Barnhart
Maurandella antirrhiniflora (Humboldt & Bonpland ex Willdenow) Rothmaler = Maurandya antirrhiniflora Humboldt & Bonpland ex Willdenow

Maurandya viney snapdragon
Elisens, W.J. 1985. Monograph of the Maurandyinae (Scrophulariaceae-Antirrhineae). Syst. Bot. Monogr. 5:1-97.
Sutton, D.A. 1988. A revision of the tribe Anthirrhineae. Oxford University Press, London, England.
antirrhiniflora Humboldt & Bonpland ex Willdenow [M&H; W&S]
roving sailor
Antirrhinum antirrhiniflora (Humboldt & Bonpland ex Willdenow) Hitchcock
Maurandella antirrhiniflora (Humboldt & Bonpland ex Willdenow) Rothmaler
wislizeni Engelmann ex Gray [M&H; W&S]
viny snapdragon
Epixiphium wislizeni (Engelmann ex Gray) Munz

Mecardonia baby-jump-up
Todsen, T.K. 1984. Noteworthy collections (New Mexico). Madroño 31:125. [*Mecardonia procumbens*]
procumbens (P. Miller) Small [Todsen 1984]
baby-jump-up
Pagesia vandellioides Pennell
Mecardonia vandellioides auct., not (Humboldt, Bonpland, & Kunth) Pennell
vandellioides auct., not (Humboldt, Bonpland, & Kunth) Pennell = Mecardonia procumbens (P. Miller) Small

Mimulus monkey-flower
Campbell, G.R. 1950. *Mimulus guttatus* and related species. Aliso 2:319-337.
Grant, A.L. 1924. A monograph of the genus *Mimulus*. Ann. Missouri Bot. Gard. 11:99-388.
Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*Mimulus eastwoodiae*]
Worthington, R.D. 2005. Plant distribution reports. The New Mexico Botanist 34:7. [*Mimulus primuloides*]
cardinalis Douglas ex Bentham [M&H; W&S]
scarlet monkey-flower
cordatus Greene = Mimulus guttatus A.P. de Candolle
dentilobus Robinson & Fernald [M&H; W&S]
toothed monkey-flower
Mimulus parvulus Wooton & Standley
eastwoodiae Rydberg [Heil et al. 2002]
Eastwood's monkey-flower
floribundus Lindley [M&H]
purple-stem monkey-flower
geyeri Torrey = Mimulus glabratus Humboldt, Bonpland, & Kunth var. jamesii (Torrey & Gray ex Bentham) Gray
glabratus Humboldt, Bonpland, & Kunth var. *fremontii* (Bentham) Grant = Mimulus glabratus Humboldt, Bonpland, & Kunth var. jamesii (Torrey & Gray ex Bentham) Gray
glabratus Humboldt, Bonpland, & Kunth var. ***glabratus*** [M&H]
round-leaf monkey-flower
glabratus Humboldt, Bonpland, & Kunth var. ***jamesii*** (Torrey & Gray ex Bentham) Gray [M&H; W&S]
round-leaf monkey-flower
Mimulus geyeri Torrey
Mimulus glabratus Humboldt, Bonpland, & Kunth var. *fremontii* (Bentham) Grant
gratioloides Rydberg = Mimulus rubellus Gray
guttatus A.P. de Candolle [M&H; W&S]
seep monkey-flower
Mimulus cordatus Greene
Mimulus guttatus A.P. de Candolle var. *gracilis* (A. Gray) G. Campbell
Mimulus hallii Greene
Mimulus langsdorfii Donn
Mimulus nasutus Greene
Mimulus puberulus Greene
guttatus A.P. de Candolle var. *gracilis* (A. Gray) G. Campbell = Mimulus guttatus A.P. de Candolle
langsdorfii Donn = Mimulus guttatus A.P. de Candolle
nasutus Greene = Mimulus guttatus A.P. de Candolle
parvulus Wooton & Standley = Mimulus dentilobus Robinson & Fernald

primuloides Bentham [Worthington 2005]
yellow monkey-flower
puberulus Greene = Mimulus guttatus A.P. de Candolle
rubellus Gray [M&H; W&S]
red-stem monkey-flower
Mimulus gratioloides Rydberg
suksdorfii Gray : Reported by Kartesz (1999) without documentation; awaits verification.
tilingii Regel [Holmgren 1984]
subalpine monkey-flower
Monniera rotundifolia Michaux = Bacopa rotundifolia (Michaux) Wettstein
Nuttallanthus toadflax
Sutton, D.A. 1988. A revision of the tribe Anthirrhineae. Oxford University Press, London, England.
canadensis sensu W&S = Nuttallanthus texanus (Scheele) D.A. Sutton
texanus (Scheele) D.A. Sutton [M&H; W&S]
Texas toadflax
Linaria canadensis sensu W&S
Linaria canadensis (Linnaeus) Dumortier var. *texana* (Scheele) Pennell
Linaria texana Scheele
Nuttallanthus canadensis sensu W&S
Orthocarpus owl-clover
Chuang, T.I. & L.R. Heckard. 1992. A taxonomic revision of *Orthocarpus* (Scrophulariaceae - Tribe Pedicularеae). Syst. Bot. 17(4):560-582.
luteus Nuttall [M&H; W&S]
yellow owl-clover
purpureo-albus Gray ex S. Watson [M&H; W&S]
purple owl-clover
Pagesia vandellioides Pennell = Mecardonia procumbens (P. Miller) Small
Pedicularis lousewort
Allred, K. 2004. Plant distribution reports. The New Mexico Botanist 31:1. [*Pedicularis bracteosa*]
Carr, G.D. 1971. Taxonomy of *Pedicularis parryi* (Scrophulariaceae). Brittonia 23:280-291.
Major, J. & S.A. Bamberg. 1963. Some cordilleran plant species new for the Sierra Nevada of California. Madroño 17(4):93-107. [*Pedicularis crenulata*]
Sprague, E.F. 1962. Pollination and evolution in *Pedicularis* (Scrophulariaceae). Aliso 5:181-209.
angustifolia Bentham [M&H; W&S]
Mogollon lousewort
Pedicularis angustissima Greene
angustissima Greene = Pedicularis angustifolia Bentham
bracteosa Bentham var. ***paysoniana*** (Pennel) Cronquist [Allred 2004]
tall lousewort
canadensis Linnaeus subsp. ***fluviatilis*** (Heller) Weber [M&H; W&S]
Canadian lousewort
Pedicularis fluviatilis Heller
centranthera Gray [M&H; W&S]
dwarf lousewort
crenulata Bentham subsp. ***alba*** Pennell [Major & Bamberg 1963]
purple lousewort
fluviatilis Heller = Pedicularis canadensis Linnaeus subsp. fluviatilis (Heller) Weber
grayi A. Nelson = Pedicularis procera Gray
groenlandica Retzius [M&H; W&S]
elephant-head
Elephantella groenlandica (Retzius) Rydberg
mogollonica Greene = Pedicularis parryi Gray
parryi Gray [M&H; W&S]
Parry's lousewort
Pedicularis mogollonica Greene
Pedicularis parryi Gray subsp. *mogollonica* (Greene) G.D. Carr
parryi Gray subsp. *mogollonica* (Greene) G.D. Carr = Pedicularis parryi Gray
procera Gray [M&H; W&S]
giant lousewort
Pedicularis grayi A. Nelson
racemosa Douglas ex Bentham [M&H; W&S]
parrot's-beak
scopulorum Gray [M&H]
Rocky Mountain lousewort
Penstemon beardtongue
Bleakly, D. 1998. A key to the penstemons of New Mexico. The New Mexico Botanist 9:1-6.
Crosswhite, F.S. 1965. Revision of *Penstemon* section *Penstemon* (Scrophulariaceae) II. A western alliance in series *Gracilis*. Amer. Midl. Naturalist 74(2):429-442.
Crosswhite, F.S. 1966. Revision of the *Penstemon* section *Chamaeleon* (Scrophulariaceae). Sida 2:339-346.

Crosswhite, F.S. 1967. Revision of *Penstemon* section *Habroanthus* (Scrophulariaceae). III: series *Virgati*. Amer. Midl. Naturalist 77:1-41.
Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233. [*Penstemon glaber alpinus*]
Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*Penstemon eatonii eatonii, P. pachyphyllus*]
Hubbard, J.P. 1999. *Penstemon pulchellus* Lindley [=*P. campanulatus* (Cavanilles) Willdenow]: A specious member of New Mexico's flora. The New Mexico Botanist 11:6-7.
Hubbard, J.P. 1999. *Penstemon spinulosus* Wooton and Standley: New Mexico endemic, error, or introduction? The New Mexico Botanist 12:1-4.
Hubbard, J.P. 2001. An update of the *Penstemon* treatment in Wooton and Standley's (1915) Flora of New Mexico. Bull. Amer. Penstemon Soc. 60(2):4-24.
Nisbet, G.T. & R.C. Jackson. 1960. The genus *Penstemon* in New Mexico. Univ. Kansas Sci. Bull. 41(5):691-759.
Sivinski, R. 1998. New plant distribution records (*Arenaria hookeri*, *Mentzelia marginata*, *Paronychia depressa*, *Penstemon ophianthus*). The New Mexico Botanist 7:6.
Sivinski, R. & K. Lightfoot, eds. 1994. Inventory of rare and endangered plants of New Mexico. New Mexico Forestry and Resources Conservation Division, Misc. Publ. No. 3.
Todsen, T.K. 1998. *Penstemon metcalfei* (Scrophulariaceae), a valid species. Sida 18(2):621-622.

alamosensis Pennell & Nisbet [Bleakly 1998; M&H]
Alamo beardtongue

albidus Nuttall [Bleakly 1998; M&H]
red-line beardtongue

alpinus Torrey subsp. *brandegeei* (Porter) Harrington = Penstemon glaber Pursh var. brandegeei (Porter) Freeman

ambiguus Torrey subsp. ***ambiguus*** [Bleakly 1998; M&H; W&S]
moth beardtongue
Leiostemon ambiguus (Torrey) Greene

ambiguus Torrey subsp. ***laevissimus*** Keck [Bleakly 1998; M&H]
moth beardtongue

ambiguus Torrey var. *thurberi* (Torrey) Gray = Penstemon thurberi Torrey

amplexicaulis Buckely = Penstemon buckleyi Pennell

angustifolius Nuttall ex Pursh var. ***caudatus*** (Heller) Rydberg [Bleakly 1998; M&H; W&S]
narrow-leaf beardtongue
Penstemon angustifolius Nuttall ex Pursh subsp. *caudatus* (Heller) Keck
Penstemon angustifolius Nuttall ex Pursh subsp. *venosus* Keck
Penstemon caudatus Heller

angustifolius Nuttall ex Pursh subsp. *caudatus* (Heller) Keck = Penstemon angustifolius Nuttall ex Pursh var. caudatus (Heller) Rydberg

angustifolius Nuttall ex Pursh subsp. *venosus* Keck = Penstemon angustifolius Nuttall ex Pursh var. caudatus (Heller) Rydberg

arizonicus Heller = Penstemon whippleanus Gray

auriberbis Pennell [Bleakly 1998; M&H]
Colorado beardtongue

barbatus (Cavanilles) Roth subsp. ***barbatus*** [Bleakly 1998; M&H; W&S]
southwestern beardtongue
Chelone barbata Cavanilles

barbatus (Cavanilles) Roth subsp. ***torreyi*** (Bentham) Keck [Bleakly 1998; M&H; W&S]
southwestern beardtongue
Penstemon barbatus (Cavanilles) Roth var. *torreyi* (Bentham) Gray
Penstemon torreyi Bentham

barbatus (Cavanilles) Roth var. *torreyi* (Bentham) Gray = Penstemon barbatus (Cavanilles) Roth subsp. torreyi (Bentham) Keck

barbatus (Cavanilles) Roth subsp. ***trichander*** (Gray) Keck [Bleakly 1998; M&H; W&S]
red beardtongue
Penstemon barbatus (Cavanilles) Roth var. *trichander* Gray
Penstemon trichander (Gray) Rydberg

barbatus (Cavanilles) Roth var. *trichander* Gray = Penstemon barbatus (Cavanilles) Roth subsp. trichander (Gray) Keck

brandegeei Porter = Penstemon glaber Pursh var. brandegeei (Porter) Freeman

breviculus (Keck) Nisbet & Jackson [Bleakly 1998; M&H]
short-stem beardtongue
Penstemon jamesii Bentham subsp. *breviculus* Keck

bridgesii Gray = Penstemon rostriflorus Kellogg

buckleyi Pennell [Bleakly 1998; M&H]
Buckley's beardtongue
Penstemon amplexicaulis Buckely

campanulatus (Cavanilles) Willdenow subsp. chihuahuensis Straw : Not known from NM (Hubbard 1999, 2001).
Penstemon pulchellus Lindley

+*cardinalis* Wooton & Standley subsp. ***cardinalis*** [Bleakly 1998; M&H; W&S]
cardinal beardtongue
Penstemon crassulus Wooton & Standley

cardinalis Wooton & Standley subsp. ***regalis*** (A. Nels) Nisbet & Jackson [Bleakly 1998; M&H]
cardinal beardtongue
Penstemon regalis A. Nelson

caudatus Heller = Penstemon angustifolius Nuttall subsp. caudatus (Heller) Keck

******cobaea*** Nuttall [Bleakly 1998]
cobaea beardtongue

coloradoensis A. Nelson = Penstemon linarioides Gray subsp. coloradoensis (A. Nelson) Keck

comarrhenus Gray [Bleakly 1998; M&H; W&S]
dusty beardtongue

connatifolius A. Nelson = Penstemon pseudospectabilis M.E. Jones subsp. connatifolius (A. Nelson) Keck

crandallii A. Nelson subsp. ***glabrescens*** (Pennell) Keck var. ***glabrescens*** (Pennell) Nisbet & Jackson [Bleakly 1998; M&H; W&S]
Crandall's beardtongue
Penstemon glabrescens Pennell

+crandallii A. Nelson subsp. ***glabrescens*** (Pennell) Keck var. ***taosensis*** (Keck) Nisbet & Jackson [Bleakly 1998]
Crandall's beardtongue

crassulus Wooton & Standley = Penstemon cardinalis Wooton & Standley subsp. cardinalis

cyananthus Hooker var. *brandegeei* Porter & Coulter = Penstemon glaber Pursh var. brandegeei (Porter) Freeman

cyathophorus Rydberg : Reported by W&S, but the specimens in question belong to Penstemon buckleyi Pennell and Penstemon fendleri Torrey & Gray (Hubbard 2001).

dasyphyllus Gray [Bleakly 1998; M&H]
Cochise beardtongue

deaveri Crosswhite [Bleakly 1998; Crosswhite 1967]
Deaver's beardtongue

eatonii Gray var. ***eatonii*** [Heil et al. 2002]
Eaton's beardtongue

eatonii Gray var. ***undosus*** M.E. Jones [Bleakly 1998; M&H; W&S]
Eaton's beardtongue

erosus Rydberg = Penstemon rydbergii A. Nelson

fendleri Torrey & Gray [Bleakly 1998; M&H; W&S]
Fendler's beardtongue

glaber Pursh var. ***alpinus*** (Torrey) Gray [Hartman et al. 2006]
smooth beardtongue

glaber Pursh var. ***brandegeei*** (Porter ex Rydberg) Freeman [Bleakly 1998; M&H; W&S]
smooth beardtongue
Penstemon alpinus Torrey subsp. *brandegeei* (Porter) Harrington
Penstemon brandegeei Porter
Penstemon cyananthus Hooker var. *brandegeei* Porter & Coulter

glabrescens Pennell = Penstemon crandallii A. Nelson subsp. glabrescens (Pennell) Keck var. glabrescens (Pennell) Nisbet & Jackson

glaucus R. Graham var. *stenosepalus* Gray = Penstemon whippleanus Gray

gracilis Nuttall [Bleakly 1998; M&H; W&S]
lilac beardtongue
Penstemon pubescens Solander var. *gracilis* (Nuttall) Gray

grandiflorus Nuttall [Bleakly 1998]
Great Plains beardtongue

griffinii A. Nelson [Bleakly 1998; Crosswhite 1965]
Griffin's beardtongue

humilis Nuttall ex Gray : Reported by W&S, but the specimen in question belongs to Penstemon jamesii Bentham (Hubbard 2001).

+inflatus Crosswhite [Bleakly 1998; Crosswhite 1965]
inflated beardtongue

jamesii Bentham [Bleakly 1998; M&H; W&S]
James's beardtongue
Penstemon similis A. Nelson

jamesii Bentham subsp. *breviculus* Keck = Penstemon breviculus (Keck) Nisbet & Jackson

jamesii Bentham subsp. *ophianthus* (Pennell) Keck = Penstemon ophianthus Pennell

lacerellus Greene = Penstemon rydbergii A. Nelson

lanceolatus Bentham : According to Crosswhite (1966) this taxon is not found in NM; our material is referred to Penstemon ramosus Crosswhite.

lentus Pennell [Bleakly 1998; M&H; Sivinski & Lightfoot 1994]
Abajo beardtongue

linarioides Gray subsp. ***coloradoensis*** (A. Nelson) Keck [Bleakly 1998; M&H]
toadflax beardtongue
Penstemon coloradoensis A. Nelson

linarioides Gray subsp. ***linarioides*** [Bleakly 1998; M&H; W&S]
toadflax beardtongue

linarioides Gray subsp. ***maguirei*** Keck [Bleakly 1998; M&H]
toadflax beardtongue

+metcalfei Wooton & Standley [Todsen 1998; W&S]
Metcalfe's beardtongue

+neomexicanus Wooton & Standley [Bleakly 1998; M&H; W&S]
New Mexico beardtongue

oliganthus Wooton & Standley [Bleakly 1998; M&H; W&S]
Apache beardtongue
ophianthus Pennell [Bleakly 1998; M&H; Sivinski 1998]
Arizona beardtongue
Penstemon jamesii Bentham subsp. *ophianthus* (Pennell) Keck
pachyphyllus Gray ex Rydberg [Heil et al. 2002]
thickleaf beardtongue
palmeri Gray [Bleakly 1998; M&H]
Palmer's beardtongue
parviflorus Pennell : Kartesz (1999) lists this species as extinct from NM.
pauciflorus of NM authors, not Greene = Penstemon ramosus Crosswhite
pinifolius Greene [Bleakly 1998; M&H; W&S]
pine-needle beardtongue
+pseudoparvus Crosswhite [Bleakly 1998; Sivinski & Lightfoot 1994]
San Mateo beardtongue
pseudospectabilis M.E. Jones subsp. ***connatifolius*** (A. Nelson) Keck [Bleakly 1998; M&H; W&S]
desert beardtongue
Penstemon connatifolius A. Nelson
Penstemon spectabilis Wooton & Standley, not Thurber
puberulus Wooton & Standley = Penstemon whippleanus Gray
pubescens Solander var. *gracilis* (Nuttall) Gray = Penstemon gracilis Nuttall
pulchellus Lindley = Penstemon campanulatus (Cavanilles) Willdenow subsp. chihuahuensis Straw
puniceus Gray = Penstemon superbus A. Nelson
ramosus Crosswhite [Bleakly 1998; Crosswhite 1966]
lance-leaf beardtongue
Penstemon lanceolatus of NM authors, not Bentham
Penstemon pauciflorus of NM authors, not Greene
regalis A. Nelson = Penstemon cardinalis Wooton & Standley subsp. regalis (A. Nels) Nisbet & Jackson
rostriflorus Kellogg [Bleakly 1998; M&H; W&S]
beaked beardtongue
Penstemon bridgesii Gray
rydbergii A. Nelson [Bleakly 1998; M&H; W&S]
Rydberg's beardtongue
Penstemon erosus Rydberg
Penstemon lacerellus Greene
secundiflorus Bentham [Bleakly 1998; M&H; W&S]
side-bells beardtongue
Penstemon unilateralis Rydberg
similis A. Nelson = Penstemon jamesii Bentham
spectabilis Wooton & Standley = Penstemon pseudospectabilis M.E. Jones subsp. connatifolius (A. Nelson) Keck
spinulosus Wooton & Standley [=Penstemon heterophyllus Lindley] : Not known from (or no longer present in) NM (Hubbard 1999).
stenosepalus (Gray) Howell = Penstemon whippleanus Gray
strictiformis Rydberg [Bleakly 1998; M&H; W&S]
stiff beardtongue
Penstemon strictus Bentham subsp. *strictiformis* (Rydberg) Keck
strictus Bentham subsp. *strictiformis* (Rydberg) Keck = Penstemon strictiformis Rydberg
strictus Bentham [Bleakly 1998; M&H; W&S]
Rocky Mountain beardtongue
superbus A. Nelson [Bleakly 1998; M&H; W&S]
superb beardtongue
Penstemon puniceus Gray
teucrioides Greene : Reported by W&S, but this species is endemic to Colorado; the specimen reported by W&S belongs to Penstemon crandallii A Nelson (Hubbard 2001).
thurberi Torrey [Bleakly 1998; M&H; W&S]
Thurber's beardtongue
Leiostemon thurberi Greene
Penstemon ambiguus Torrey var. *thurberi* (Torrey) Gray
torreyi Bentham = Penstemon barbatus (Cavanilles) Roth subsp. torreyi (Bentham) Keck
trichander (Gray) Rydberg = Penstemon barbatus (Cavanilles) Roth subsp. trichander (Gray) Keck
unilateralis Rydberg = Penstemon secundiflorus Bentham
unilateralis of some NM authors = Penstemon virgatus Gray subspecies asa-grayii Crosswhite
virgatus Gray subsp. ***asa-grayii*** Crosswhite [Bleakly 1998]
blue beardtongue
Penstemon unilateralis of some NM authors, not Rydberg
virgatus Gray subsp. ***virgatus*** [Bleakly 1998; M&H; W&S]
blue beardtongue

whippleanus Gray [Bleakly 1998; M&H; W&S]
dark beardtongue
Penstemon arizonicus Heller
Penstemon glaucus R. Graham var. *stenosepalus* Gray
Penstemon puberulus Wooton & Standley
Penstemon stenosepalus (Gray) Howell

Rhinanthus yellow-rattle
Hulst, R. van & B. Shipley. 1986. The systematic position of the genus *Rhinanthus* (Scrophulariaceae) in North America. Can. J. Bot. 64(7):1443-1449.
Soo, R. 1970. Arten und unterarten der gattung *Rhinanthus* in Europe. Acta Bot. 16(1/2):193-206.
crista-galli sensu W&S = Rhinanthus minor Linnaeus subsp. minor
rigidus Chabert = rhinanthus minor Linnaeus subsp. minor
minor Linnaeus subsp. ***minor*** [M&H; W&S]
little yellow-rattle
Rhinanthus crista-galli sensu W&S
Rhinanthus rigidus Chabert

Schistophragma spiral-seed
intermedia (Gray) Pennell [M&H; W&S]
spiral-seed
Conobea intermedia Gray

Scrophularia figwort
Shaw, R.J. 1962. The biosystematics of *Scrophularia* in western North America. Aliso 5:147-178.
Todsen, T.K. 1978. *Scrophularia laevis* (Scrophulariaceae) a legitimate species. Madroño 25:106-107.
coccinea Gray = Scrophularia macrantha Greene ex Stiefelhagen
+laevis Wooton & Standley [M&H; Shaw 1962; Todsen 1978; W&S]
Organ Mountain figwort
lanceolata Pursh [M&H]
lance-leaf figwort
+macrantha Greene ex Stiefelhagen [M&H; W&S]
New Mexico figwort
Scrophularia coccinea Gray
Scrophularia neomexicana Shaw
+montana Wooton [M&H; W&S]
mountain figwort
neomexicana Shaw = Scrophularia macrantha Greene ex Stiefelhagen (Shaw 1962:170, ed. note).
parviflora Wooton & Standley [M&H; W&S]
piney figwort

Synthyris kitten's-tail
Hufford, L. & M. McMahon. 2004. Morphological evolution and systematics of *Synthyris* and *Besseya* (Veronicaceae): A phylogenetic analysis. Syst. Bot. 29(3):716-736.
Pennell, F.W. 1933[1934]. A revision of *Synthyris* and *Besseya*. Proc. Acad. Nat. Sci. Philadelphia 85:77-106.
alpina Gray [M&H; W&S]
alpine kitten's-tail
Besseya alpina (Gra) Rydberg
+oblongifolia (Pennell) Hufford & McMahon [M&H]
New Mexico kitten's-tail
Besseya oblongifolia Pennell
plantaginea (James) Bentham [M&H; W&S]
Rocky Mountain kitten's-tail
Besseya arizonica Pennell
Besseya plantaginea (James) Rydberg

Verbascum mullein
Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Verbascum virgatum*]
Hershey, A.L. & P.J. Leyendecker, Jr. 1944. Notes on plants of New Mexico -- III. Leafl. West. Bot. 4(2):21-25. [*Verbascum blattaria*]
****blattaria*** Linnaeus [Hershey & Leyendecker 1944; M&H]
white mullein
****thapsus*** Linnaeus [M&H; W&S]
moth mullein
****virgatum*** Stokes [Allred 1999]
wand mullein

Veronica speedwell
Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Veronica arvensis*]
Pennell, F.W. 1921. *Veronica* in North and South America. Rhodora 23:29-41.
Walters, S.M. & D.A. Webb. 1972. *Veronica*, pp. 242-251. IN: Flora Europaea, vol. 3. Cambridge University Press, England.
americana Schweinitz ex Bentham [M&H; W&S]
American brooklime
****anagallis-aquatica*** Linnaeus [M&H; W&S]
blue speedwell

*__arvensis__ Linnaeus [Allred 1999]
corn speedwell
buxbaumii Tenore = Veronica persica Poiret
__catenata__ Pennell [M&H; W&S]
Pennell's speedwell
Veronica connata Rafinesque subsp. *glaberrima* Pennell
Veronica micromera Wooton & Standley
connata Rafinesque subsp. *glaberrima* Pennell = Veronica catenata Pennell
humifusa Dickson = Veronica serpyllifolia Linnaeus var. humifusa (Dickson) Vahl
micromera Wooton & Standley = Veronica catenata Pennell
__peregrina__ Linnaeus var. __xalapensis__ (Humboldt, Bonpland, & Kunth) Pennell [M&H; W&S]
neckweed
Veronica xalapensis Humboldt, Bonpland, & Kunth
*__persica__ Poiret [M&H; W&S]
bird's-eye speedwell
Veronica buxbaumii Tenore
Veronica tournefortii K. Gmelin
serpyllifolia Linnaeus var. *borealis* Laestad. = Veronica serpyllifolia Linnaeus var. humifusa (Dickson) Vahl
*__serpyllifolia__ Linnaeus var. __humifusa__ (Dickson) Vahl [M&H; W&S]
thyme-leaf speedwell
Veronica humifusa Dickson
Veronica serpyllifolia Linnaeus var. *borealis* Laestad.
Veronica serpyllifolia Linnaeus var. *neomexicana* Cockerell
Veronica tenella Allioni
serpyllifolia Linnaeus var. *neomexicana* Cockerell = Veronica serpyllifolia Linnaeus var. humifusa (Dickson) Vahl
tenella Allioni = = Veronica serpyllifolia Linnaeus var. humifusa (Dickson) Vahl
tournefortii K. Gmelin = Veronica persica Poiret
__wormskjoldii__ Roemer & Schultes [M&H; W&S]
alpine speedwell
xalapensis Humboldt, Bonpland, & Kunth = Veronica peregrina Linnaeus var. xalapensis (Humboldt, Bonpland, & Kunth) Pennell

Family SILENACEAE = CARYOPHYLLACEAE

Family SIMAROUBACEAE

__Ailanthus__ tree-of-heaven
*__altissima__ (Miller) Swingle [M&H; W&S]
tree-of-heaven
Ailanthus gladulosa Desfontaines
gladulosa Desfontaines = Ailanthus altissima (Miller) Swingle

Family SOLANACEAE

Androcera novomexicana (Bartlett) Wooton & Standley = Solanum heterodoxum Dunal var. novomexicanum Bartlett
rostrata (Dunal) Rydberg = Solanum rostratum Dunal
__Calibrachoa__ petunia
Wijsman, H.J.W. 1990. On the inter-relationships of certain species of *Petunia* VI. New names for the species of *Calibrachoa* formerly included into Petunia (Solanaceae). Acta Bot. Neerl. 39:101-102.
Wijsman, H.J.W. & J.H. deJong. 1985. On the inter-relationships of certain species of *Petunia* IV. Hybridization between *P. linearis* and *P. calycina* and nomenclatorial consequences in the *Petunia* group. Acta Bot. Neerl. 34:337-349.
*__parviflora__ (Jussieu) D'Arcy [M&H; W&S]
seaside petunia
Petunia parviflora Jussieu
Capsicum baccatum Linnaeus : Reported as expected by M&H; awaits verification.
__Chamaesaracha__ five-eyes
Averett, J.E. 1973. Biosystematic study of *Chamaesaracha* (Solanaceae). Rhodora 75:325-365.
Worthington, R.D. 2001. New plant distribution records. The New Mexico Botanist 20:8. [*Chamaesaracha edwardsiana*]
__coniodes__ (Moricand ex Dunal) Britton [Averett 1973; M&H; W&S]
gray five-eyes
Solanum coniodes Moricand ex Dunal
__coronopus__ (Dunal) Gray [Averett 1973; M&H; W&S]
green-leaf five-eyes
Solanum coronopus Dunal
__edwardsiana__ Averett [Worthington 2001]
Edwards Plateau five-eyes
__pallida__ Averett [Averett 1973]
pale five-eyes
__sordida__ (Dunal) Gray [Averett 1973]

hairy five-eyes

Datura thorn-apple

Allred, K.W. 2004. *Datura* (Solanaceae) in New Mexico. The New Mexico Botanist 30:5.
Avery, A.G., S.Satina, & J. Rietsema. 1959. The genus *Datura*. Chronica Botanica No. 20, The Ronald Press, New York. 289 pp.
Barclay, A.S. 1959. New considerations in an old genus: *Datura*. Bot. Mus. Leafl. Harvard 18:245-272.
Bye, R. 2001. Vascular Plants of Arizona: Solanaceae. Part One. *Datura* L. J. Ariz.-Nev. Acad. Sci. 33(1):58-64. [*Datura ceratocaula*]
Ewan, J. 1944. Taxonomic history of perennial southwestern *Datura meteloides*. Rhodora 46:317-323.

meteloides DC. ex Dunal = Datura inoxia P. Miller
meteloides of NM authors = Datura wrightii Regel
****ceratocaula*** Ortega [Allred 2004; Bye 2001]
Mexican thorn-apple
ferox auct. non L. = Datura quercifolia Humboldt, Bonpland, & Kunth
****inoxia*** P. Miller [Allred 2004; M&H]
downy thorn-apple
meteloides DC. ex Dunal
inoxia P. Miller subsp. *quinquecuspida* (Torrey) Barclay = Datura wrightii Regel
meteloides of NM authors, misapplied = Datura wrightii Hort ex Regel
****quercifolia*** Humboldt, Bonpland, & Kunth [Allred 2004; M&H; W&S]
oak-leaf thorn-apple
Datura ferox auct. non L.
****stramonium*** Linnaeus [Allred 2004; M&H; W&S]
jimsonweed
Datura stramonium Linnaeus var. *tatula* (Linnaeus) Torrey
Datura tatula Linnaeus
stramonium Linnaeus var. *tatula* (Linnaeus) Torrey = Datura stramonium Linnaeus
tatula Linnaeus = Datura stramonium Linnaeus
wrightii Hort ex Regel [Allred 2004; M&H]
sacred thorn-apple
Datura inoxia P. Miller subsp. *quinquecuspida* (Torrey) Barclay
Datura meteloides of NM authors, misapplied

Hyoscyamus henbane

****niger*** Linnaeus [M&H]
black henbane

Lycium wolfberry

Feinbrun, N. & W.T. Stearn. 1963. Typification of *Lycium barbarum* L., *L. afrum* L, and *L. europaeum* L. Israel J. Bot. 12:114-123.
Hall, H.H. & S. Flowers. 1961. Vascular plants found in the Navajo Reservoir Basin, pp. 47-87. IN: D.M. Pendergast (ed.). Ecological studies of the flora and fauna of Navajo Reservoir Basin, Colorado and New Mexico. Univ. Utah Anthropological Papers, number 55.
Hitchcock, C.L. 1932. A monographic study of the genus *Lycium* of the western hemisphere. Ann. Missouri Bot. Gard. 19:179-374.

andersonii Gray [Hitchcock 1932; M&H]
Anderson's wolfberry
****barbarum*** Linnaeus [Hitchcock 1932; M&H; W&S]
matrimony-vine
Lycium halimifolium Miller
Lycium vulgare (Aiton) Dunal
berlandieri Dunal var. ***berlandieri*** [Hitchcock 1932; M&H]
silver wolfberry
berlandieri Dunal var. ***parviflorum*** (Gray) Terracciono [Hitchcock 1932; M&H; W&S]
silver wolfberry
Lycium parviflorum Gray
halimifolium Miller = Lycium barbarum Linnaeus
pallidum Miers [Hitchcock 1932; M&H; W&S]
pale wolfberry
parishii A. Gray : Reported by Hall & Flowers (1961), but known only from southern California, western Arizona, and Mexico; awaits verification.
parviflorum Gray = Lycium berlandieri Dunal var. parviflorum (Gray) Terracciono
torreyi Gray [Hitchcock 1932; M&H; W&S]
Torrey's wolfberry
vulgare (Aiton) Dunal = Lycium barbarum Linnaeus

Margaranthus purpurascens Rydberg = Physalis solanaceus (Schlechtendal) Axelius
solanaceus Schlechtendal = Physalis solanaceus (Schlechtendal) Axelius

Nicotiana tobacco

Goodspeed, T.H. 1954. The genus *Nicotiana*. Chronica Botanica 16:1-536.

attenuata Torrey ex S. Watson [M&H; W&S]
coyote tobacco
****glauca*** Graham [M&H; W&S]
tree tobacco

*rustica Linnaeus : Reported for NM by Fernald (1950), but not mentioned by any other southwestern works; perhaps refers to Nicotiana trigonophylla; needs verification.

trigonophylla Dunal [M&H; W&S]
desert tobacco

Petunia parviflora Jussieu = Calibrachoa parviflora (Jussieu) D'Arcy

Physalis ground-cherry

Axelius, B. 1995. A new combination in *Physalis* (Solanaceae). Phytologia 79(1):10-11.
Heil, K.D. & S.L. O'Kane, Jr. 2003. Catalog of the Four Corners flora: Vascular plants of the San Juan River drainage, Arizona, Colorado, New Mexico and Utah. Harvard Papers in Botany 7(2):321-379.
Kartesz, J.T. & K.N. Gandhi. 1994. Nomenclatural notes for the North American flora. XIII. Phytologia 76(6):441-457. [*Physalis ixocarpa*]
Menzel, M.Y. 1951. The cytotaxonomy and genetics of *Physalis*. Proc. Amer. Phil. Soc. 95:134-185.
Sullivan, J.R. 1985. Systematics of the *Physalis viscosa* complex (Solanaceae). Syst. Bot. 10(4):426-444.
Waterfall, U.T. 1958. A taxonomic study of the genus *Physalis* in North America north of Mexico. Rhodora 60:107-114, 128-142, 152-173.

angulata Linnaeus [M&H; W&S]
cut-leaf ground-cherry
Physalis angulata Linnaeus var. *lanceifolia* (Nees) Waterfall
Physalis lanceifolia Nees

angulata Linnaeus var. *lanceifolia* (Nees) Waterfall = Physalis angulata Linnaeus

caudella Standley [M&H]
southwestern ground-cherry

cinerascens (Dunal) A.S. Hitchcock var. ***cinerascens*** [M&H; Sullivan 1985; W&S]
Texas ground-cherry
Physalis cinerascens (Dunal) A.S. Hitchcock
Physalis mollis Nuttall var. *cinerascens* (Dunal) Gray
Physalis pennsylvanica Linnaeus var. *cinerascens* Dunal
Physalis viscosa Linnaeus var. *cinerascens* (Dunal) Waterfall

comata Rydberg = Physalis hederifolia Gray var. comata (Rydberg) Waterfall

crassifolia Bentham : Reported by Heil & O'Kane (2003), but this mostly a Mohave/Sonoran desert species; awaits verification.

fendleri A. Gray var. *cordifolia* Gray = Physalis hederifolia Gray var. cordifolia (Gray) Waterfall

foetens Poiret var. ***neomexicana*** (Rydberg) Waterfall ex Kartesz & Ghandi [M&H; W&S]
New Mexico ground-cherry
Physalis neomexicana Rydberg

hederifolia Gray var. ***comata*** (Rydberg) Waterfall [M&H; W&S]
ivy-leaf ground-cherry
Physalis comata Rydberg

hederifolia Gray var. ***fendleri*** (Gray) Cronquist [M&H; W&S]
ivy-leaf ground-cherry
Physalis fendleri Gray
Physalis fendleri Gray var. *cordifolia* Gray
Physalis hederifolia Gray var. *cordifolia* (Gray) Waterfall

hederifolia Gray var. *fendleri* (Gray) Cronquist = Physalis hederifolia Gray ver. fendleri (Gray) Cronquist

hederifolia Gray var. ***hederifolia*** [M&H; W&S]
ivy-leaf ground-cherry

heterophylla Nees : Reported as expected by M&H map; awaits verification.

hispida (Waterfall) Cronquist [M&H]
prairie ground-cherry
Physalis lanceolata sensu W&S
Physalis *virginiana* Miller var. *hispida* Waterfall

*****ixocarpa*** Brotero ex Hornemann [M&H; W&S]
Mexican ground-cherry

lanceifolia Nees = Physalis angulata Linnaeus var. lanceifolia (Nees) Waterfall

lanceolata sensu W&S = Physalis hispida (Waterfall) Cronquist

lobata Torrey = Quincula lobata (Torrey) Rafinesque

longifolia Nuttall var. ***longifolia*** [M&H; W&S]
long-leaf ground-cherry
Physalis pumila Nuttall var. *sonorae* Torrey
Physalis virginiana Miller var. *sonorae* (Torrey) Waterfall

longifolia Nuttall var. ***subglabrata*** (Mackenzie & Bush) Cronquist [M&H; W&S]
long-leaf ground-cherry
Physalis macrophysa Rydberg
Physalis virginiana Miller var. *subglabrata* (Mackenzie & Bush) Waterfall

macrophysa Rydberg = Physalis longifolia Nuttall var. subglabrata (Mackenzie & Bush) Cronquist

mollis Nuttall var. *cinerascens* (Dunal) Gray = Physalis cinerascens (Dunal) A.S. Hitchcock var. cinerascens

neomexicana Rydberg = Physalis foetens Poiret var. neomexicana (Rydberg) Waterfall

pennsylvanica Linnaeus var. *cinerascens* Dunal = Physalis cinerascens (Dunal) A.S. Hitchcock var. cinerascens

polyphylla Greene = Physalis virginiana Miller var. polyphylla (Greene) Waterfall

pubescens Linnaeus var. ***integrifolia*** (Dunal) Waterfall [M&H; W&S]

husk-tomato

pumila Nuttall var. *sonorae* Torrey = Physalis longifolia Nuttall var. longifolia

solanaceus (Schlechtendal) Axelius [M&H; W&S]

netted globe-cherry

Margaranthus purpurascens Rydberg

Margaranthus solanaceus Schlechtendal

+virginiana Miller var. ***campaniforma*** Waterfall [M&H]

bell-flower ground-cherry

virginiana Miller var. *hispida* Waterfall = Physalis hispida (Waterfall) Cronquist

virginiana Miller var. ***polyphylla*** (Greene) Waterfall [M&H]

Virginia ground-cherry

Physalis polyphylla Greene

virginiana Miller var. *sonorae* (Torrey) Waterfall = Physalis longifolia Nuttall var. longifolia

virginiana Miller var. *subglabrata* (Mackenzie & Bush) Waterfall = Physalis longifolia Nuttall var. subglabrata (Mackenzie & Bush) Cronquist

viscosa Linnaeus var. *cinerascens* (Dunal) Waterfall = Physalis cinerascens (Dunal) A.S. Hitchcock var. cinerascens

wrightii Gray [M&H; W&S]

Wright's ground-cherry

Quincula ground-cherry

lobata (Torrey) Rafinesque [M&H; W&S]

Chinese lanterns

Physalis lobata Torrey

Salpichroa origanifolia (Lamarck) Baillon, lily-of-the-valley-vine, has been found growing on White Sands Missile Range (Doña Ana County), along a residential fence; it is not yet known as an escape in NM.

Solanum nightshade, horsenettle

Correll, D.S. 1962. The potato and its wild relatives : section *Tuberarium* of the genus *Solanum*. Texas Research Foundation, Renner, Texas. [*Solanum bulbocastanum*]

Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4. [*Solanum dulcamara*]

Schilling, E.E. 1981. Systematics of *Solanum* sect. *Solanum* (Solanaceae) in North America. Syst. Bot. 6(2):172-185.

Schilling, E.E. & C.B. Heiser. 1979. Crossing relationships among diploid species of the *Solanum nigrum* complex in North America. Amer. J. Bot. 66:709-716.

Spellenberg, R. 2001. New plant distribution records. The New Mexico Botanist 19:3. [*Solanum dimidiatum*]

Spellenberg, R. 2003. Prickly problems. The New Mexico Botanist 25:8. [*Solanum carolinense*]

Spooner, D.M., R.G. van den Berg, A. Rodriguez, J. Bamberg, R.J. Hijmans, & S.I. Lara Cabrera. 2004. Wild potatoes (*Solanum* section *Petota*; Solanaceae) of North and Central America. Systematic Botany Monographs 68:1-209.

Stebbins, G.L. & E.F. Paddock. 1949. The *Solanum nigrum* complex in Pacific North America. Madroño 10:70-81.

Whalen, M.D. 1976. New taxa of *Solanum*, section *Androceras* from Mexico and adjacent United States. Wrightia 5(7):228-239.

Whalen, M.D. 1979. Taxonomy of *Solanum* sect. *Androceras*. Gent. Herb. 11:359-426.

americanum Miller = Solanum nigrum L.

arizonicum Parish = Solanum douglasii Dunal

bulbocastanum Dunal [Correll 1952] Note: Correll (1952) calls attention to the questionable collection of this species from San Miguel County (G); perhaps the specimen represents a one-time escape that has not persisted?

ornamental nightshade

****carolinense*** Linnaeus [Spellenberg 2003]

Carolina horse-nettle

citrullifolium A. Braun : Reported by Great Plains Flora Association (1977, atlas), but the plants in question were corrected to Solanum heterodoxum Dunal var. setigeroides M.D. Whalen (Great Plains Flora Association 1986).

coniodes Moricand ex Dunal = Chamaesaracha coniodes (Moricand ex Dunal) Britton

coronopus Dunal = Chamaesaracha coronopus (Dunal) Gray

****dimidiatum*** Rafinesque [Spellenberg 2001]

western horse-nettle

douglasii Dunal [M&H; W&S]

Arizona nightshade

Solanum arizonicum Parish

****dulcamara*** Linnaeus [Heil et al. 2002]

climbing nightshade

elaeagnifolium Cavanilles [M&H; W&S]

silverleaf nightshade

fendleri Gray ex Torrey = Solanum stoloniferum Schlectendal

heterodoxum Dunal var. *heterodoxum* of NM reports = Solanum heterodoxum Dunal var. novomexicanum Barlett

heterodoxum Dunal var. ***novomexicanum*** Bartlett [M&H; W&S]

melon-leaf nightshade

Androcera novomexicana (Bartlett) Wooton & Standley

Solanum heterodoxum Dunal var. *heterodoxum* of NM reports

heterodoxum Dunal var. ***setigeroides*** M.D. Whalen [Whalen 1976, 1979]

melon-leaf nightshade

interius Rydberg = Solanum nigrum Linnaeus

jamesii Torrey [M&H; Schilling 1981; W&S]

wild potato

**__nigrum__* Linnaeus [M&H; W&S]

black nightshade

Solanum americanum Miller

Solanum interius Rydberg

Solanum ptychanthum Dunal

physalifolium Rusby = Solanum sarrachoides Sendtner

ptychanthum Dunal = Solanum nigrum Linnaeus

__rostratum__ Dunal [M&H; W&S]

buffalo-bur

Androcera rostrata (Dunal) Rydberg

**__sarrachoides__* Sendtner [M&H; W&S]

hairy nightshade

Solanum physalifolium Rusby

Solanum villosum sensu W&S

__stoloniferum__ Schlectendal [M&H; W&S]

Fendler's nightshade

Solanum fendleri Gray ex Torrey

**__triflorum__* Nuttall [M&H; W&S]

cut-leaf nightshade

villosum sensu W&S = Solanum sarrachoides Sendtner

Family STERCULIACEAE

Ayenia ayenia

Cristobal, C.L. 1960. Revision del genero *Ayenia* (Sterculiaceae). Lilloana 4:1-230.

__filiformis__ S. Watson [Cristobal 1960]

Trans-Pecos ayenia

__microphylla__ Gray [Cristobal 1960; M&H]

dense ayenia

__pilosa__ Cristobal [Cristobal 1960]

hairy ayenia

pusilla Linnaeus : Reported by M&H, but not occurring in NM (Cristobal 1960).

Family TAMARICACEAE

Tamarix saltcedar, tamarisk

Allred, K.W. 2002. Identification and taxonomy of *Tamarix* (Tamaricaceae) in New Mexico. Desert Plants 18(2):26-32.

Gaskin, J.F. & B.A. Schaal. 2003. Molecular phylogenetic investigation of U.S. invasive *Tamarix*. Syst. Bot. 28(1):86-95.

*aphylla (Linnaeus) Karsten (athel tamarisk) : Cultivated as a landscape ornamental in southern NM, but not known to escape.

**__chinensis__* Loureiro [Allred 2002; M&H]

saltcedar

Tamarix pentandra Pallas, nom. illeg.

Tamarix ramosissima Ledebour

**__gallica__* Linnaeus [Allred 2002; M&H; W&S]

French tamarisk

**__parviflora__* A.P. de Candolle [Allred 2002]

small-flowered tamarisk

pentandra Pallas = Tamarix chinensis Loureiro

ramosissima Ledebour = Tamarix chinensis Loureiro

Family ULMACEAE

Sherman-Broyles, S.L., W.T. Barker, & L.M. Schulz. 1997. Ulmaceae, pp. 368-380. IN: Flora of North America, vol. 3. Oxford University Press.

Celtis hackberry

Sargent, C.S. 1933. Manual of the trees of North America. Houghton Mifflin Co. [*Celtis laevigata texana*]

Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Celtis occidentalis*]

Whittemore, A.T. 2005. Genetic structure, lack of introgression, and taxonomic status in the *Celtis laevigata – C. reticulata* complex (Cannabaceae). Syst. Bot. 30(4):809-817.

laevigata Willdenow var. *reticulata* (Torrey) L. Benson = Celtis reticulata Torrey

__laevigata__ Willdenow var. *__texana__* Sargent [Sargent 1933]

sugar-berry

**__occidentalis__* Linnaeus [Spellenberg et al. 1986]

common hackberry

__pallida__ Torrey [M&H; Sherman-Broyles et al. 1997]

spiny hackberry

__reticulata__ Torrey [M&H; Sherman-Broyles et al. 1997; W&S]

western hackberry

Celtis laevigata Willdenow var. *reticulata* (Torrey) L. Benson

Ulmus elm

*****pumila*** Linnaeus [M&H; Sherman-Broyles et al. 1997]

Siberian elm

Family UMBELLIFERAE = APIACEAE

Family URTICACEAE

Boufford, D.E. 1992. Urticaceae. J. Ariz.-Nev. Acad. Sci. 26(1):42-49.

Boufford, D.E. 1997. Urticaceae, pp. 400-413. IN: Flora of North America, vol. 3. Oxford University Press.

Boehmeria false-nettle

cylindrica (Linnaeus) Swartz [Boufford 1997; M&H; W&S]

false-nettle

Boehmeria cylindrica (Linnaeus) Swartz var. *drummondiana* Weddell

Boehmeria scabra (Porter) Small

Urtica cylindrica Linnaeus

cylindrica (Linnaeus) Swartz var. *drummondiana* Weddell = Boehmeria cylindrica (Linnaeus) Swartz

scabra (Porter) Small = Boehmeria cylindrica (Linnaeus) Swartz

Parietaria pellitory

floridana auct. non Nuttall = Parietaria hespera B.D. Hinton var. hespera

hespera B.D. Hinton var. ***hespera*** [Boufford 1997; M&H; W&S]

pellitory

Parietaria floridana auct. non Nuttall

Parietaria obtusa Rydberg

obtusa Rydberg = Parietaria hespera B.D. Hinton var. hespera

pensylvanica Muhlenberg ex Willdenow [Boufford 1997; M&H; W&S]

Pennsylvania pellitory

Urtica nettle

Woodland, D.W. 1982. Biosystematics of the perennial North American taxa of *Urtica*. II. Taxonomy. Syst. Bot. 7(3):282-290.

cylindrica Linnaeus = Boehmeria cylindrica (Linnaeus) Swartz

*****dioica*** Linnaeus subsp. ***gracilis*** (Aiton) Selander [Boufford 1997; M&H; W&S]

stinging nettle

Urtica gracilis Aiton

*****dioica*** Linnaeus subsp. ***holosericea*** (Nuttall) Thorne [Boufford 1997; M&H]

stinging nettle

Urtica serra sensu M&H

gracilenta Greene [Boufford 1997; M&H; W&S]

mountain nettle

gracilis Aiton = Urtica dioica Linnaeus subsp. gracilis (Aiton) Selander

serra sensu M&H = Urtica dioica Linnaeus subsp. holosericea (Nuttall) Thorne

*****urens*** Linnaeus [Boufford 1997]

burning nettle

Family VACCINIACEAE = ERICACEAE

Family VALERIANACEAE

Cronquist, A. 1984. Valerianaceae, pp. 545-550. IN: Intermountain Flora, vol. 4. New York Botanical Garden.

Ferguson, I.K. 1965. The genera of Valerianaceae and Dipsacaceae in the southeastern United States. J. Arnott Arbor. 46:218-231.

Valeriana valerian

Hershey, A.L. 1940. Notes on New Mexico plants -- II. Leaflets of Western Botany 2(15):257-258. [*Valeriana texana*]

McIntosh, L. 1996. Seven additions to the flora of New Mexico. Phytologia 81(5):365-368. [*Valeriana sorbifolia*]

Meyer, F.G. 1951. *Valeriana* in North America and the West Indies (Valerianaceae). Ann. Missouri Bot. Gard. 38:377-503.

acutiloba Rydberg [M&H; W&S]

Rocky Mountain valerian

Valeriana capitata Pallas ex Link subsp. *acutiloba* (Rydberg) F.G. Meyer

acutiloba Rydberg var. *ovata* (Rydberg) A. Nelson = Valeriana arizonica Gray

arizonica Gray [M&H; W&S]

Arizona valerian

Valeriana acutiloba Rydberg var. *ovata* (Rydberg) A. Nelson

Valeriana ovata Rydberg

capitata Pallas ex Link subsp. *acutiloba* (Rydberg) F.G. Meyer = Valeriana acutiloba Rydberg

edulis Nuttall ex Torrey & Gray [M&H; W&S]

tobacco-root

Valeriana trachycarpa Rydberg

occidentalis Heller : Reported as expected by M&H; awaits verification.

ovata Rydberg = Valeriana arizonica Gray

sorbifolia Humboldt, Bonpland, & Kunth [McIntosh 1996]

pineland valerian

texana Steyermark [Hershey 1940; M&H]
Guadalupe valerian
trachycarpa Rydberg = Valeriana edulis Nuttall

Family VERBENACEAE

Moldenke, H.N. 1980. A sixth summary of the Verbenaceae, Avicenniaceae, Stilbaceae, Chloanthaceae, Symphoremaceae, Nyctanthaceae, and Eriocaulaceae of the world as to valid taxa, geographic distribution and synonymy. Phytologia Memoirs II:54-55 (New Mexico).

Aloysia beebush

Armada, J. & A. Barria. 1992. On *Aloysia* Palau. Taxon 41:88-90.

gratissima (Gillies & Hooker) Troncoso [M&H; Moldenke 1980]
white beebush
Aloysia lycioides Chamisso
Lippia lycioides (Chamisso) Steudel
lycioides Chamisso = Aloysia gratissima (Gillies & Hooker) Troncoso
wrightii (Gray) Heller ex Abrams [M&H; W&S]
Wright's beebush
Lippia wrightii Gray

Bouchea groove-stem

McIntosh, L. 1996. Seven additions to the flora of New Mexico. Phytologia 81(5):365-368. [*Bouchea prismatica*]

linifolia A. Gray [Moldenke 1980]
needle-leaf groove-stem
prismatica O. Kuntze var. ***brevirostra*** Grenzebach [McIntosh 1996]
prism groove-stem

Glandularia vervain

Turner, B.L. 1998. Texas species of *Glandularia* (Verbenaceae). Lundellia 1:3-16.
Turner, B.L. & A.M. Powell. 2005. Chromosome numbers of *Glandularia* (Verbenaceae) from central and Trans-Pecos Texas. Sida 21(3):1657-1661.
Umber, R.E. 1979. The genus *Glandularia* (Verbenaceae) in North America. Syst. Bot. 4:72-102.

bipinnatifida (Nuttall) Nuttall var. ***bipinnatifida*** [Umber 1979; M&H]
Dakota vervain
Glandularia bipinnatifida (Nuttall) Nuttall var. *ciliata* (Bentham) Turner
Verbena ambrosifolia Rydberg
Verbena bipinnatifida Nuttall
Verbena ciliata Bentham var. *ciliata*
Verbena ciliata Bentham var. *pubera* (Greene) Perry
Verbena pubera Greene
bipinnatifida (Nuttall) Nuttall var. ***brevispicata*** Umber [M&H; Umber 1979; W&S]
Dakota vervain
bipinnatifida (Nuttall) Nuttall var. *ciliata* (Bentham) Turner = Glandularia bipinnatifida (Nuttall) Nuttall var bipinnatifida
canadensis (Linnaeus) Nuttall [Moldenke 1980]
rose vervain
Verbena canadensis (Linnaeus) Britton
chiricahensis Umber [Umber 1979]
Chiricahua vervain
gooddingii (Briquet) Solbrig [Umber 1979; M&H]
Goodding's vervain
Verbena arizonica Briquet
Verbena bipinnatifida Nuttall var. *gooddingii* (Briquet) Jepson
Verbena gooddingii Briquet var. *gooddingii*
Verbena gooddingii Briquet var. *nepetifolia* Tidestrom
****pulchella*** (Sweet) Troncoso [Allred 1999]
moss vervain
Glandularia tenuisecta (Briquet) Small
Verbena tenuisecta Briquet
pumila (Rydberg) Umber [Umber 1979; M&H]
pink vervain
Verbena pumila Rydberg
quadrangulata (Heller) Umber [Umber 1979; M&H]
beaked vervain
Verbena racemosa Eggert
tenuisecta (Briquet) Small = Glandularia pulchella (Sweet) Troncoso
tumidula (Perry) Umber [Umber 1979; M&H]
plains vervain
Verbena tumidula Perry
wrightii (Gray) Umber s.s. : Known from west Texas, but not yet verified from NM
wrightii of many authors, not (Gray) Umber = Glandularia bipinnatifida (Nuttall) Nuttall; Glandularia wrightii (Gray) Umber s.s. is known from west Texas.

Goniostachyum graveolens (Humboldt, Bonpland, & Kunth) Small = Lippia graveolens Humboldt, Bonpland, & Kunth

Lantana lantana

achyranthifolia Desfontaines [Moldenke 1980]

southwestern lantana

Lantana macropoda Torrey

urticoides Hayek [Moldenke 1980]

West Indies lantana

Lantana horrida sensu Moldenke, non Kunth

Lippia mat-grass

berlandieri Schauer = Lippia graveolens Humboldt, Bonpland, & Kunth

cuneifolia (Torrey) Steudel = Phyla cuneifolia (Torrey) Greene

graveolens Humboldt, Bonpland, & Kunth [Moldenke 1980]

scented mat-grass

Goniostachyum graveolens (Humboldt, Bonpland, & Kunth) Small

Lippia berlandieri Schauer

incisa (Small) Tidestrom = Phyla nodiflora (Linnaeus) Greene

lanceolata Michaux = Phyla lanceolata (Michaux) Greene

lycioides (Chamisso) Steudel = Aloysia gratissima (Gillies & Hooker) Troncoso

nodiflora (Linnaeus) Michaux var. *rosea* (D. Don) Munz = Phyla nodiflora (Linnaeus) Greene

wrightii Gray = Aloysia wrightii (Gray) Heller

Phyla frogfruit

cuneifolia (Torrey) Greene [M&H; W&S]

wedgeleaf

Lippia cuneifolia (Torrey) Steudel

Zapania cuneifolia Torrey

incisa Small = Phyla nodiflora (Linnaeus) Greene

lanceolata (Michaux) Greene [M&H; W&S]

northern frogfruit

Lippia lanceolata Michaux

****nodiflora*** (Linnaeus) Greene [M&H; W&S]

turkey-tangle

Lippia incisa (Small) Tidestrom

Lippia nodiflora (Linnaeus) Michaux var. *rosea* (D. Don) Munz

Phyla incisa Small

Phyla nodiflora (Linnaeus) Greene var. *rosea* (D. Don) Moldenke

Verbena nodiflora Linnaeus

Zappania nodiflora (Linnaeus) Lamarck var. *rosea* D. Don

nodiflora (Linnaeus) Greene var. *rosea* (D. Don) Moldenke = Phyla nodiflora (Linnaeus) Greene

Tetraclea wrinklefruit

Moldenke, H.N. 1981. Notes on the genus *Tetraclea* (Verbenaceae). Phytologia 48(5): 397-413.

angustifolia Wooton & Standley = Tetraclea coulteri Gray var. angustifolia (Wooton & Standley) A. Nelson & Macbride

coulteri Gray var. ***angustifolia*** (Wooton & Standley) A. Nelson & Macbride [M&H; W&S]

Coulter's wrinklefruit

Tetraclea angustifolia Wooton & Standley

coulteri Gray var. ***coulteri*** [M&H; W&S]

Coulter's wrinklefruit

Verbena vervain

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Verbena tenuisecta*]

Barber, S.C. 1982. Taxonomic studies in the *Verbena stricta* complex (Verbenaceae). Syst. Bot. 7(4):433-456.

McIntosh, L. 1996. Seven additions to the flora of New Mexico. Phytologia 81(5):365-368. [*Verbena gracilis*]

Turner, B.L. 1998. Texas species of *Glandularia* (Verbenaceae). Lundellia 1:3-16.

Umber, R.E. 1979. The genus *Glandularia* (Verbenaceae) in North America. Syst. Bot. 4:72-102.

ambrosifolia Rydberg = Glandularia bipinnatifida (Nuttall) Nuttall var. ciliata (Bentham) Turner

arizonica Briquet = Glandularia gooddingii (Briquet) Solbrig

bipinnatifida Nuttall = Glandularia bipinnatifida (Nuttall) Nuttall

bipinnatifida Nuttall var. *gooddingii* (Briquet) Jepson = Glandularia gooddingii (Briquet) Solbrig

bracteata Lagasca & Rodríguez [M&H; W&S]

carpet vervain

Verbena bracteata Lagasca var. *brevibracteata* Gray

Verbena bracteosa Michaux

Verbena confinis Greene

Verbena imbricata Wooton & Standley

bracteata Lagasca var. *brevibracteata* Gray = Verbena bracteata Lagasca & Rodríguez

bracteosa Michaux = Verbena bracteata Lagasca & Rodríguez

canadensis (Linnaeus) Britton = Glandularia canadensis (Linnaeus) Nuttall

canescens Kunth : Reported by Kartesz (1999) without documentation; awaits verification.

canescens Humboldt, Bonpland, & Kunth var. *neomexicana* Gray = Verbena neomexicana (Gray) Small var. neomexicana

ciliata Bentham var. *ciliata* = Glandularia bipinnatifida (Nuttall) Nuttall var. ciliata (Bentham) Turner

ciliata Bentham var. longidentata Perry [= Glandularia polyantha Umber] : Not occuring in NM.

ciliata Bentham var. *pubera* (Greene) Perry = Glandularia bipinnatifida (Nuttall) Nuttall var. ciliata (Bentham) Turner
confinis Greene = Verbena bracteata Lagasca & Rodriguez
gooddingii Briquet var. *gooddingii* = Glandularia gooddingii (Briquet) Solbrig
gooddingii Briquet var. *nepetifolia* Tidestrom = Glandularia gooddingii (Briquet) Solbrig
gracilis Desfontaines [McIntosh 1996]
Huachuca vervain
halei Small [Moldenke 1980]
Texas vervain
hastata Linnaeus var. ***hastata*** [M&H; W&S]
arrowhead vervain
hastata Linnaeus var. ***scabra*** Moldenke [M&H]
arrowhead vervain
imbricata Wooton & Standley = Verbena bracteata Lagasca & Rodríguez
macdougalii Heller [M&H; W&S]
MacDougal's vervain
menthifolia Bentham [M&H]
mint vervain
neomexicana (Gray) Small var. ***hirtella*** Perry [M&H]
New Mexico vervain
neomexicana (Gray) Small var. ***neomexicana*** [M&H; W&S]
New Mexico vervain
Verbena canescens Humboldt, Bonpland, & Kunth var. *neomexicana* Gray
neomexicana (Gray) Small var. ***xylopoda*** Perry [M&H]
New Mexico vervain
nodiflora Linnaeus = Phyla nodiflora (Linnaeus) Greene
perennis Wooton [M&H; W&S]
Wooton's vervain
plicata Greene [M&H]
fan-leaf vervain
pubera Greene = Glandularia bipinnatifida (Nuttall) Nuttall var. ciliata (Bentham) Turner
pumila Rydberg = Glandularia pumila (Rydberg) Umber
racemosa Eggert = Glandularia quadrangulata (Heller) Umber
scabra Vahl [M&H]
sandpaper vervain
stricta Ventenat [M&H]
hoary vervain
tenuisecta Briquet = Glandularia puchella (Sweet) Troncoso
tumidula Perry = Glandularia tumidula (Perry) Umber
wrightii Gray = Glandularia wrightii (Gray) Umber

Vitex chaste-tree

Peterson, R.S. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Vitex agnus-castus*]

****agnus-castus*** Linnaeus [Peterson 2000]
chaste-tree

Zapania cuneifolia Torrey = Phyla cuneifolia (Torrey) Greene
nodiflora (Linaneus) Lamarck var. *rosea* D. Don = Phyla nodiflora (Linnaeus) Greene

Family VIOLACEAE

Calceolaria verticillata (Ortega) Kuntze = Hybanthus verticillatus (Ortega) Baillon

Hybanthus baby-slippers

verticillatus (Ortega) Baillon [M&H; W&S]
baby-slippers
Calceolaria verticillata (Ortega) Kuntze
Viola verticillata Ortega

Viola violet

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Viola bicolor*]
Baker, M.S. 1935. Studies in western violets - I. Madroño 3:51-56.
Baker, M.S. 1940. Studies in western violets - III. Madroño 5:218-231.
Baker, M.S. 1949. Studies in western violets - IV. Leafl. W. Bot. 5:141-156.
Brizicky, G.K. 1961. The genera of Violaceae in the southeastern United States. J. Arnold Arbor. 42:321-333.
Heil, K.D., S.L. O'Kane, & A. Clifford. 2002. Additions to the flora of New Mexico from the San Juan Basin Flora project. The New Mexico Botanist 24:1-4.
McKinney, L.E. 1992. A taxonomic revision of the acaulescent blue violets (*Viola*) of North America. Sida, Bot. Misc. 7:1-60.
Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470.
Russell, N.H. 1965. Violets (*Viola*) of central and eastern United States: an introductory survey. Sida 2:1-113.

adunca J.E. Smith [M&H; W&S]
hooked violet
Viola adunca J.E. Smith var. *bellidiflora* (Greene) Harrington
Viola montanensis Rydberg

Viola puberula (S. Watson) Howell
Viola retroscabra Greene
adunca J.E. Smith var. *bellidiflora* (Greene) Harrington = Viola adunca J.E. Smith
arizonica Greene = Viola sororia Willdenow var. affinis (LeConte) McKinney
bicolor Pursh [Allred 1999]
field pansy
Viola rafinesquii Greene
canadensis Linnaeus var. *canadensis* sensu NM authors = Viola canadensis Linnaeus var. rugulosa (Greene) C.L. Hitchcock
canadensis Linnaeus var. *neomexicana* (Greene) House = Viola canadensis Linnaeus var. rugulosa (Greene) C.L. Hitchcock
canadensis Linnaeus var. ***rugulosa*** (Greene) C.L. Hitchcock [M&H; W&S]
Canadian violet
Viola canadensis Linnaeus var. *canadensis* sensu NM authors
Viola canadensis Linnaeus var. *neomexicana* (Greene) House
Viola rydbergii Greene
canadensis Linnaeus var. ***scopulorum*** Gray [M&H]
Rocky Mountain violet
Viola scopulorum (Gray) Greene
guadalupensis A. Powell & B. Wauer : Reported by Kartesz (1999) without documentation; awaits verification.
macloskeyi Lloyd subsp. *pallens* (Banks ex Ging) M.S. Baker = Viola sororia Willdenow var. sororia
missouriensis Greene = Viola sororia Willdenow var. missouriensis (Greene) McKinney
montanensis Rydberg = Viola adunca J.E. Smith
nephrophylla Greene var. *arizonica* (Greene) Kearney & Peebles = Viola sororia Willdenow var. affinis (LeConte) McKinney
nephrophylla Greene var. *nephrophylla* = Viola sororia Willdenow var. sororia
nuttallii Pursh [Great Plains Flora Association 1977; M&H]
Nuttall's violet
pallens (Banks ex Ging) Brainerd = Viola sororia Willdenow var. sororia
palmata Linnaeus [Spellenberg et al. 1986; McKinney 1992]
whorled violet
Viola viarum Pollard
pedatifida G. Don [M&H; W&S]
crow-foot violet
pinetorum Greene : Reported by W&S, not treated by M&H; needs clarification.
pratincola Greene = Viola sororia Willdenow var. sororia
puberula (S. Watson) Howell = Viola adunca J.E. Smith
rafinesquii Greene = Viola bicolor Pursh
reptans Robinson : Reported by W&S, but not occurring in NM
retroscabra Greene = Viola adunca J.E. Smith
retusa Greene = Viola sororia Willdenow var. missouriensis (Greene) McKinney
rydbergii Greene = Viola canadensis Linnaeus var. rugulosa (Greene) C.L. Hitchcock
scopulorum (Gray) Greene = Violoa canadensis Linnaeus var. scopulorum Gray
selkirkii Pursh ex Goldie : Reported as expected by M&H map; awaits verification.
sororia Willdenow var. ***affinis*** (LeConte) McKinney [M&H; McKinney 1992]
Arizona violet
Viola arizonica Greene
Viola nephrophylla Greene var. *arizonica* (Greene) Kearney & Peebles
sororia Willdenow var. ***missouriensis*** (Greene) McKinney [M&H; McKinney 1992; W&S]
Missouri violet
Viola missouriensis Greene
Viola retusa Greene
sororia Willdenow var. ***sororia*** [M&H; McKinney 1992; W&S]
streambank violet
Viola macloskeyi Lloyd subsp. *pallens* (Banks ex Ging) M.S. Baker
Viola nephrophylla Greene var. *nephrophylla*
Viola pallens (Banks ex Ging) Brainerd
Viola pratincola Greene
Viola wilmattae Pollard & Cockerell
verticillata Ortega = Hybanthus verticillatus (Ortega) Baillon
viarum Pollard = Viola palmata Linnaeus
wilmattae Pollard & Cockerell =Viola sororia var. sororia

Family VISCACEAE

Hawksworth, F.G. & D. Wiens. 1993. Viscaceae. p. 1092-1097, IN J.C. Hickman (editor). The Jepson Manual: Higher Plants of California. Univ. California Press.
Peterson, R.S. 2005. Mistletoes (Viscaceae) of New Mexico. The New Mexico Botanist 33:3-4.

Arceuthobium dwarf-mistletoe

Hawksworth, F.G. & D. Wiens. 1972. Biology and Classification of Dwarf Mistletoes (*Arceuthobium*). USDA Agric. Handbook No. 401.
Hawksworth, F.G. & D. Wiens. 1996. Dwarf mistletoes: biology, patholgy, and systematics. Agr. Handb. 709, USDA-For. Serv.
abietianum Engelmann ex Munz : Reported by Kartesz (1999) without documentation; awaits verification.
apachecum Hawksworth & Wiens [Hawksworth & Wiens 1996; M&H]

Apache dwarf-mistletoe

campylopodum Engelmann in Gray forma *divaricatum* (Engelmann) Gill = Arceuthobium divaricatum Engelmann

campylopodum Engelmann in Gray forma *microcarpum* (Engelmann) Gill = Arceuthobium microcarpum (Engelmann) Hawksworth & Wiens

divaricatum Engelmann [Hawksworth & Wiens 1996; M&H; W&S]

piñon dwarf-mistletoe

Arceuthobium campylopodum Engelmann in Gray forma *divaricatum* (Engelmann) Gill

Razoumofskya divaricata (Engelmann) Coville

douglasii Engelmann [Hawksworth & Wiens 1996; M&H; W&S]

Douglas-fir dwarf-mistletoe

Razoumofskya douglasii (Engelmann) Kuntze

douglasii Engelmann var. *microcarpum* Engelmann = Arceuthobium microcarpum (Engelmann) Hawksworth & Wiens

gillii Hawksworth & Wiens [Hawksworth & Wiens 1996; M&H]

Huachuca dwarf-mistletoe

microcarpum (Engelmann) Hawksworth & Wiens [Hawksworth & Wiens 1996; M&H; W&S]

spruce dwarf-mistletoe

Arceuthobium campylopodum Engelmann in Gray forma *microcarpum* (Engelmann) Gill

Arceuthobium douglasii Engelmann var. *microcarpum* Engelmann

Razoumofskya microcarpa (Engelmann) Wooton & Standley

vaginatum (Willdenow) Presl subsp. ***cryptopodum*** (Engelmann) Hawksworth & Wiens [Hawksworth & Wiens 1996; M&H; W&S]

pineland dwarf-mistletoe

Razoumofskya cryptopoda (Engelmann) Coville

Phoradendron mistletoe

Hubbard, J.P. 1981. Extirpation of a population of desert mistletoe. Native Plant Society of New Mexico Newsletter 6(6):3.

Huff, C. 1996. New plant distribution records (*Brassica rapa*, *Fraxinus anomala*, *Phoradendron californicum*). The New Mexico Botanist 3:6.

Kuijt, J. 2003. Monograph of *Phoradendron* (Viscaceae). Syst. Bot. Monogr. 66:1-643.

Peterson, R.S. 2000. Juniper mistletoes: 1, 2, and Phsp.? The New Mexico Botanist 16:7. [*Phoradendron hawksworthii*]

Peterson, R.S. 2005. Mistletoes (Viscaceae) of New Mexico. The New Mexico Botanist 33:3-4.

Wiens, D. 1964. Revision of the acataphyllous species of *Phoradendron*. Brittonia 16:11-54.

Wiens, D. & F. Hawksworth. 2002. New species of *Phoradendron* (Viscaceae) from Mexico and Guatemala and a synopsis of species in section *Pauciflorae*. Aliso 21(1):33-43. [*Phoradendron hawksworthii*]

bolleanum sensu NM authors = Phoradendron hawksworthii Wiens

bolleanum (Seemann) Eichler var. *capitellatum* (Torrey ex Trelease) Kearney & Peebles = Phoradendron capitellatum Torrey ex Trelease

californicum Nuttall [Hubbard 1981; Huff 1996; M&H; Peterson 2005]

mesquite mistletoe

capitellatum Torrey ex Trelease [Kuijt 2003; M&H; Wiens 1964]

downy mistletoe

Phoradendron bolleanum (Seemann) Eichler var. *capitellatum* (Torrey ex Trelease) Kearney & Peebles

cockerellii Trelease = Phoradendron macrophyllum (Engelmann) Cockerell

coryae Trelease [Kuijt 2003; M&H; Wiens 1964]

Cory's mistletoe

Phoradendron flavescens (Pursh) Nuttall var. *pubescens* Engelmann

Phoradendron havardianum Trelease

Phoradendron villosum Nuttall

Phoradendron villosum Nuttall subsp. *coryae* (Trelease) Wiens

Phoradendron serotinum (Rafinesque) M.C. Johnston subsp. *tomentosum* (de Candolle) Kuijt

flavescens (Pursh) Nuttall var. *macrophyllum* Engelmann = Phoradendron macrophyllum (Engelmann) Cockerell

flavescens (Pursh) Nuttall var. orbiculatum (Engelmann ex Gray) Engelmann : Reported by M&H, but not occurring in NM (Kuijt 2003; Wiens 1964).

flavescens (Pursh) Nuttall var. *pubescens* Engelmann = Phoradendron coryae Trelease

flavescens (Pursh) Nuttall var. *villosum* (Nuttall) Engelmann = Phoradendron coryae Trelease

havardianum Trelease = Phoradendron coryae Trelease

hawksworthii Wiens [Wiens & Hawksworth 2002]

Hawksworth's mistletoe

Phoradendron bolleanum sensu NM authors

juniperinum Engelmann ex Gray subsp. ***juniperinum*** [Kuijt 2003; M&H; W&S]

juniper mistletoe

macrophyllum (Engelmann) Cockerell [Kuijt 2003; M&H; W&S; Wiens 1964]

Cockerell's mistletoe

Phoradendron cockerellii Trelease

Phoradendron flavescens (Pursh) Nuttall var. *macrophyllum* Engelmann

Phoradendron serotinum (Rafinesque) M.C. Johnston subsp. *macrophyllum* (Engelmann) Kuijt

orbiculatum Engelmann ex Gray = Phoradendron serotinum (Rafinesque) M.C. Johnston subsp. serotinum

serotinum (Rafinesque) M.C. Johnston s.s. : Reported by M&H and W&S [as Phorodendron flavescens (Pursh) Nuttall var. orbiculatum (Engelmann ex Gray) Engelmann], but not occurring in NM (Kuijt 2003; Wiens 1964).

serotinum (Rafinesque) M.C. Johnston subsp. *macrophyllum* (Engelmann) Kuijt = Phoradendron macrophyllum (Engelmann) Cockerell

serotinum (Rafinesque) M.C. Johnston subsp. *tomentosum* (de Candolle) Kuijt = Phoradendron coryae Trelease

villosum Nuttall subsp. *coryae* (Trelease) Wiens = Phoradendron coryae Trelease
Razoumofskya cyanocarpa A. Nelson ex Rydberg [=Arceuthobium cyanocarpum (A. Nelson ex Rydberg) Coulter & A. Nelson : Reported by W&S, but not occurring in NM (Hawksworth & Wiens 1996).
divaricata (Engelmann) Coville = Arceuthobium divaricatum Engelmann
douglasii (Engelmann) Kuntze = Arceuthobium douglasii Engelmann
microcarpa (Engelmann) Wooton & Standley = Arceuthobium microcarpum (Engelmann) Hawksworth & Wiens
cryptopoda (Engelmann) Coville = Arceuthobium vaginatum (Willdenow) Presl subsp. cryptopodum (Engelmann) Hawksworth & Wiens

Family VITACEAE

Brizicky, G.K. 1965. The genera of Vitaceae in the southeastern United States. J. Arnold Arbor. 46:48-67.
Gleason, H.A. 1947. The preservation of well known binomials. Phytologia 2:201-212.

Cissus peppervine

incisa (Nuttall) Des Moulins [M&H; W&S]
peppervine
Vitis incisa Nuttall

inserta of NM authors, misapplied, not (Krener) K. Fritsch = Parthenocissus vitacea (Knerr) A.S. Hitchcock

Parthenocissus creeper

inserta of NM authors, misapplied, not (Krener) K. Fritsch = Parthenocissus vitacea (Knerr) A.S. Hitchcock

vitacea (Knerr) A.S. Hitchcock [M&H; W&S]
thicket creeper
Ampelopsis quinquifolia Linnaeus var. *vitacea* Knerr
Parthenocissus inserta of NM authors, misapplied, not (Krener) K. Fritsch

Vitis grape

Great Plains Flora Association. 1977. Atlas of the Flora of the Great Plains. Iowa State Univ. Press. 600 pp. [*Vitis riparia*]
Moore, M.O. 1991. Classification and systematics of easten North American *Vitis* L. (Vitaceae) north of Mexico. Sida 14(3):339-368.

acerifolia Rafinesque [M&H; Moore 1991]
maple-leaf grape
Vitis longii Prince
Vitis nuevo-mexicana Lemmon ex Munson

arizonica Engelmann [M&H; W&S]
Arizona grape, canyon grape
Vitis arizonica Engelmann var. *glabra* Munson
Vitis treleasii Munson

arizonica Engelmann var. *glabra* Munson = Vitis arizonica Engelmann
×doaniana Munson ex Viala : Reported by M&H, but probably does not occur in NM (Moore 1991).
longii Prince = Vitis acerifolia Rafinesque
monticola Buckley : Reported by M&H, but this species is endemic to the Edwards Plateau of central Texas (Moore 1991); awaits further verification.
nuevo-mexicana Lemmon ex Munson = Vitis acerifolia Rafinesque

riparia Michaux [Great Plains Flora Association 1977]
riverbank grape

treleasii Munson = Vitis arizonica Engelmann
vulpina Linnaeus : Reported as expected by M&H; awaits verification.

Family ZYGOPHYLLACEAE

Covillea glutinosa (Engelmann) Rydberg = Larrea tridentata (Sessé & Mociño ex A.P. de Candolle) Coville
tridentata Vail = Larrea tridentata (Sessé & Mociño ex A.P. de Candolle) Coville

Kallstroemia caltrop

Porter, D.M. 1969. The genus *Kallstroemia*. Contr. Gray Herb. Harvard Univ. 198:41-153.

brachystylis Vail = Kallstroemia californica (S. Watson) Vail

californica (S. Watson) Vail [M&H; Porter 1969; W&S]
California caltrop
Kallstroemia brachystylis Vail
Kallstroemia californica (S. Watson) Vail var. *brachystylis* (Vail) Kearney & Peebles

californica (Wats) Vail var. *brachystylis* (Vail) Kearney & Peebles = Kallstroemia californica (S. Watson) Vail

grandiflora Torrey ex Gray [M&H; Porter 1969; W&S]
orange caltrop

hirsutissima Vail ex Small [M&H; Porter 1969; W&S]
hairy caltrop

intermedia Rydberg = Kallstroemia parviflora Norton
laetevirens Thornber = Kallstroemia parviflora Norton
maxima sensu M&H = Kallstroemia parviflora Norton

parviflora Norton [Porter 1969; W&S]
warty caltrop
Kallstroemia intermedia Rydberg
Kallstroemia laetevirens Thornber
Kallstroemia maxima sensu M&H

Larrea creosote-bush

Mabry, T.J., J.H. Hunziker, & D.R. DiFeo, Jr. (eds.). 1977. Creosote Bush: biology and chemistry of *Larrea* in New World deserts. Halsted Press, Stroudsburg, Pa.

mexicana Moricand = Larrea tridentata (Sessé & Mociño ex A.P. de Candolle) Coville var. tridentata

tridentata (Sessé & Mociño ex A.P. de Candolle) Coville var. ***tridentata*** [M&H; W&S]

creosote-bush

Covillea glutinosa (Engelmann) Rydberg

Covillea tridentata Vail

Larrea mexicana Moricand

Zygophyllaum tridentatum Sessé & Mociño ex A.P. de Candolle

Peganum African-rue

****harmala*** Linnaeus [M&H]

African-rue

mexicanum Gray : Reported for NM on various lists, but no specimens have been located.

Tribulus puncture-vine

****terrestris*** Linnaeus [M&H; W&S]

puncture-vine

Zygophyllum bean-caper

****fabago*** Linnaeus [M&H]

Syrian bean-caper

tridentatum Sessé & Mociño ex A.P. de Candolle = Larrea tridentata (A.P. de Candolle) Coville var. tridentata

ANGIOSPERMS

Monocotyledonous Plants

Family AGAVACEAE

[Dracaenaceae]

Bogler, D,J. & B.B. Simpson. 1995. A chloroplast DNA study of the Agavaceae. Syst. Bot. 20(2):191-205.

Agave agave

Freeman, C.E. 1973. A new record of lechuguilla (*Agave lecheguilla*: Agavaceae) in New Mexico. Southwest. Nat. 17(4):423.
Gentry, H.S. 1982. Agaves of Continental North America. University of Arizona Press, Tucson. 670 pp.
Reveal, J.L. & W.C. Hodgson. 2002. *Agave*, pp. 442-461. IN: Flora of North America, vol. 26. Oxford University Press, New York.

americana Linnaeus var. *latifolia* Torrey = Agave parryi Engelmann
geminiflora (Tagl.) Ker-Gawler var. *sonorae* Torrey = Agave schottii Engelmann
gracilipes Trelease [Gentry 1982; Reveal & Hodgson 2002]
slimfoot agave
lechuguilla Torrey [Gentry 1982; M&H; Reveal & Hodgson 2002; W&S]
lechuguilla
neomexicana Wooton & Standley = Agave parryi Engelmann var. neomexicana (Wooton & Standley) B. Ullrich
palmeri Engelmann [Gentry 1982; M&H; Reveal & Hodgson 2002; W&S]
Palmer's agave
parryi Engelmann var. ***parryi*** [Gentry 1982; M&H; Reveal & Hodgson 2002; W&S]
Parry's agave
Agave americana Linnaeus var. *latifolia* Torrey
parryi Engelmann var. ***neomexicana*** (Wooton & Standley) B. Ullrich [M&H; Gentry 1982; W&S]
New Mexico agave
Agave neomexicana Wooton & Standley
schottii Engelmann [Gentry 1982; M&H; Reveal & Hodgson 2002; W&S]
Schott's agave
Agave geminiflora (Tagl.) Ker-Gawler var. *sonorae* Torrey

Dasylirion = see Nolinaceae
Nolina = see Nolinaceae

Yucca yucca

Benson, L. & R.A. Darrow. 1981. Trees and Shrubs of the Southwestern Deserts. 3rd ed. Univ. Arizona Press. 416 p.
Hall, H.H. & S. Flowers. 1961. Vascular plants found in the Navajo Reservoir Basin, pp. 47-87. IN: D.M. Pendergast (ed.). Ecological studies of the flora and fauna of Navajo Reservoir Basin, Colorado and New Mexico. Univ. Utah Anthropological Papers, number 55. [*Yucca whipplei*]
Hess, W.J. & R.L. Robbins. 2002. *Yucca*, pp. 423-439. IN: Flora of North America, vol. 26. Oxford University Press, New York.
Johnson, M.B. 2000. Observations on some Chihuahuan Desert Yuccas. Desert Plants 16(1):14-19.
Lenz, L.W. & M.A. Hanson. 2000. Typification and change in status of *Yucca schottii* (Agavaceae). Aliso 19(1):93-98.
Lenz, L.W. & M.A. Hanson. 2001. *Yuccas* (Agavaceae) of the international four corners: southwestern USA and northwestern Mexico. Aliso 19(2):165-179.
McKelvey, S.D. 1934, 1947. Yuccas of the southwestern United States. [part 1, 1934; part 2, 1947]. Arnold Arboretum, Jamaica Plain, Massachusettes.
Webber, J.M. 1953. Yuccas of the Southwest. USDA Agric. Monogr. No. 17.

angustifolia Pursh = Yucca glauca Nuttall
angustissima Engelmann ex Trelease var. ***angustissima*** [Hess & Robbins 2002; M&H]
fine-leaf yucca
arizonica McKelvey = Yucca baccata Torrey var. brevifolia (Schott) Benson & Darrow
baccata Torrey var. ***baccata*** [Hess & Robbins 2002; M&H; W&S]
banana yucca
baccata Torrey var. ***brevifolia*** (Schott ex Torrey) Benson & Darrow [Benson & Darrow 1981; Hess & Robbins 2002]
banana yucca
Yucca arizonica McKelvey
baccata Torrey var. *macrocarpa* Torrey = Yucca treculeana Carrièrre
baileyi Wooton & Standley var. ***baileyi*** [Hess & Robbins 2002; M&H; W&S]
Bailey's yucca
Yucca standleyi McKelvey
+baileyi Wooton & Standley var. ***intermedia*** (McKelvey) Reveal [Hess & Robbins 2002; McKelvey 1934]
Bailey's yucca
Yucca intermedia McKelvey
Yucca intermedia McKelvey var. *ramosa* McKelvey
baileyi Wooton & Standley var. ***navajoa*** (Webber) Webber [Hess & Robbins 2002; M&H; Webber 1953]
Navajo yucca
Yucca navajoa Webber
campestris McKelvey [M&H; McKelvey 1934] Note: Hess & Robbins (2002) restricted this taxon to Texas; the identity of our plants perhaps warrants investigation.
plains yucca
elata Engelmann [Hess & Robbins 2002; M&H; W&S]

soaptree yucca

faxoniana Sargent [Johnson 2000]

Eve's needle

glauca Nuttall [Hess & Robbins 2002; M&H; W&S]

plains yucca, soapweed yucca

Yucca angustifolia Pursh

Yucca glauca Nuttall var. *gurneyi* McKelvey

glauca Nuttall var. *gurneyi* McKelvey = Yucca glauca Nuttall

harrimaniae Trelease [Hess & Robbins 2002; M&H; W&S]

Spanish bayonet

harrimaniae Trelease var. *neomexicana* (Wooton & Standley) Reveal = Yucca neomexicana Wooton & Standley

intermedia McKelvey = Yucca baileyi Wooton & Standley var. intermedia (McKelvey) Reveal

intermedia McKelvey var. *ramosa* McKelvey = Yucca baileyi Wooton & Standley var. intermedia (McKelvey) Reveal

macrocarpa (Torrey) Engelmann = Yucca treculeana Carrièrre

madrensis Gentry [Hess & Robbins 2002; Lenz & Hanson 2000, 2001; M&H; W&S]

Sierra Madre yucca

Yucca schottii auct.

navajoa Webber = Yucca baileyi Wooton & Standley var. navajoa (Webber) Webber

neomexicana Wooton & Standley [Hess & Robbins 2002; M&H; W&S]

New Mexico Spanish bayonet

Yucca harrimaniae Trelease var. *neomexicana* (Wooton & Standley) Reveal

schottii auct. = Yucca madrensis Gentry

×***schottii*** Engelmann pro. sp. Note: Lenz & Hanson (2000) applies this name to hybrids involving Yucca baccata × Y. elata × Y. madrensis; see Yucca madrensis Gentry.

standleyi McKelvey = Yucca baileyi Wooton & Standley var. baileyi

torreyi Shafer = Yucca treculeana Carrièrre

treculeana Carrièrre [M&H; W&S]

Torrey's yucca

Yucca baccata Torrey var. *macrocarpa* Torrey

Yucca macrocarpa (Torrey) Engelmann

Yucca torreyi Shafer forma *parviflora* McKelvey

Yucca torreyi Shafer

torreyi Shafer forma *parviflora* McKelvey = Yucca treculeana Carrièrre

whipplei Torrey : Reported by Hall & Flowers (1961), but this occurs only in southern California; awaits verification.

Family ALISMATACEAE

Haynes, R.R. & C.B. Hellquist. 2000. Alismataceae, p. 7-25. IN: Flora North America, vol. 22. Oxford University Press.

Alisma water-plantain

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Alisma subcordatum*]

Fernald, M.L. 1946. The North American representatives of *Alisma plantago-aquatica*. Rhodora 48:86-88.

Hendricks, A.J. 1957. A revision of the genus *Alisma* (Dill.) L. Amer. Midl. Naturalist 58:470-493.

Pogan, E. 1963. Taxonomical value of *Alisma triviale* Pursh and *Alisma subcordatum* Rafin. Canad. J. bot. 41:1011-1013.

brevipes Greene = Alisma triviale Pursh

geyeri Torrey = Alisma gramineum K.C. Gmelin

gramineum K.C. Gmelin [M&H]

narrow-leaf water-plantain

Alisma geyeri Torrey

Alisma gramineum K.C. Gmelin var. *geyeri* (Torrey) Samuelsson

gramineum K.C. Gmelin var. *geyeri* (Torrey) Samuelsson = Alisma gramineum K.C. Gmelin

plantago-aquatica sensu W&S = Alisma triviale Pursh

subcordatum Rafinesque [Allred 1999]

American water-plantain

triviale Pursh [M&H; W&S]

northern water-plantain

Alisma brevipes Greene

Alisma plantago-aquatica sensu W&S

Echinodorus burr-head

Great Plains Flora Association. 1977. Atlas of the Flora of the Great Plains. Iowa State Univ. Press. 600 pp. [*Echinodorus berteroi*]

berteroi (Sprengel) Fassett [Great Plains Flora Association 1977]

upright burr-head

Echinodorus rostratus (Nuttall) Engelmann

rostratus (Nuttall) Engelmann = Echinodorus berteroi (Sprengel) Fassett

Lophotocarpus calycinus (Engelmann) J.G. Smith = Sagittaria montevidensis Chamisso & Schlectendal subsp. calycina (Engelmann) Bogin

Sagittaria arrowhead

Bogin, C. 1955. A revision of the genus *Sagittaria*. Mem. New York Bot. Gard. 9:179-233.

Haynes, R.R. & C.B. Hellquist. 2000. Alismataceae, p. 7-25. IN: Flora of North America, vol. 22. Oxford University Press.

Kartesz, J.T. 1999. A Synonymized Checklist and Atlas with Biological Attributes for the Vascular Flora of the United States, Canada, and Greenland. First Edition. In: Kartesz, J.T., and C.A. Meacham. Synthesis of the North American Flora, Version 1.0. North Carolina Botanical Garden, Chapel Hill, NC. [*Sagittaria demersa*]

arifolia Nuttall = Sagittaria cuneata Sheldon

brevirostra Mackenzie & Bush [M&H]
short-beak arrowhead

calycina Engelmann = Sagittaria montevidensis Chamisso & Schlectendal subsp. calycina (Engelmann) Bogin

cuneata Sheldon [M&H; W&S]
arum-leaf arrowhead
Sagittaria arifolia Nuttall

demersa J.G. Small [R. Haynes, in Kartesz 1999]

graminea Michaux [M&H] Note: Haynes & Hellquist (2000) report the distribution of this taxon to the east of NM; our report perhaps merits verification.
grassy arrowhead

greggii J.G. Smith : Reported as expected by M&H; awaits verification.

latifolia Willdenow [M&H]
duck potato

longiloba Engelmann ex J.G. Smith [M&H]
long-barb arrowhead

montevidensis Chamisso & Schlectendal subsp. ***calycina*** (Engelmann) Bogin [M&H; W&S]
hooded arrowhead
Sagittaria calycina Engelmann
Lophotocarpus calycinus (Engelmann) J.G. Smith

Family ALLIACEAE = LILIACEAE

Family AMARYLLIDACEAE

Agave = see AGAVACEAE
Hypoxis = see LILIACEAE
Zephyranthes = see LILIACEAE

Family ASPHODELACEAE = LILIACEAE

Family BROMELIACEAE

Tillandsia Spanish-moss

Luther, H.E. & G.K. Brown. 2000. *Tillandsia*, p. 288-296. IN: Flora North America, vol. 22. Oxford University Press.
Wagner, W.L. 1979. New records to the Animas Mountain flora, New Mexico. Southw. Naturalist 24(2):291-296. [*Tillandsia recurvata*]

recurvata Linnaeus [Wagner 1979]
ball-moss

Family CALOCHORTACEAE = LILIACEAE

Family COMMELINACEAE

Faden, R.B. 2000. Commelinaceae, p. 170-197. IN: Flora North America, vol. 22. Oxford University Press.
Tucker, G.C. 1989. The genera of Commelinaceae in the southeastern United States. J. Arnold Arbor. 70:97-130.

Commelina dayflower

Brashier, C.K. 1966. A revision of *Commelina* (Plum.) L. in the U.S.A. Bull. Torrey Bot. Club 93:1-19.

angustifolia Michaux = Commelina erecta Linnaeus var. angustifolia (Michaux) Fernald

crispa Wooton = Commelina erecta Linnaeus var. angustifolia (Michaux) Fernald

dianthifolia Delile [Faden 2000; M&H; W&S]
bird-bill dayflower
Commelina dianthifolia Delile var. *filiformis* M.E. Jones
Commelina dianthifolia Delile var. *longispatha* (Torrey) Brashier
Commelina linearis Bentham var. *longispatha* Torrey

dianthifolia Delile var. *filiformis* M.E. Jones = Commelina dianthifolia Delile

dianthifolia Delile var. *longispatha* (Torrey) Brashier = Commelina dianthifolia Delile

erecta Linnaeus var. ***angustifolia*** (Michaux) Fernald [Faden 2000; M&H; W&S]
white-mouth dayflower
Commelina angustifolia Michaux
Commelina crispa Wooton
Commelina erecta Linnaeus var. *crispa* (Wooton) Palmer & Steyermark
Commelina erecta Linnaeus var. *deamiana* Fernald

erecta Linnaeus var. *crispa* (Wooton) Palmer & Steverm. = Commelina erecta Linnaeus var. angustifolia (Michaux) Fernald

erecta Linnaeus var. *deamiana* Fernald = Commelina erecta Linnaeus var. angustifolia (Michaux) Fernald

linearis Bentham var. *longispatha* Torrey = Commelina dianthifolia Delile

Tradescantia spiderwort

Anderson, E. & R.E. Woodson. 1935. The species of *Tradescantia* indigenous to the United States. Contr. Arnold Arbor. 9:1-132.

Faden, R.B. 1993. *Tradescantia crassifolia* (Commelinaceae), an overlooked species in the southwestern United States. Ann. Missouri Bot. Gard. 80:219-222.
Hershey, A.L. & P.J. Leyendecker, Jr. 1944. Notes on plants of New Mexico -- III. Leafl. West. Bot. 4(2):21-25. [*Tradescantia wrightii*]
Spellenberg, R. 1979. Chromosome numbers from some federally proposed threatened or endangered southwestern angiosperms and other miscellaneous taxa. Southw. Naturalist 24:187-189. [*Tradescantia wrightii*]

crassifolia Cavanilles : Included in Kartesz's (1999) list for NM, but Faden (1993) questions, with good evidence, the validity of the single specimen attributed to NM; awaits verification.

occidentalis (Britton) Smyth var. ***occidentalis*** [Faden 2000; M&H; W&S]
western spiderwort
Tradescantia virginica Linnaeus var. *occidentalis* Britton

occidentalis (Britton) Smyth var. ***scopulorum*** (Rose) Anderson & Woodson [Faden 2000; M&H; W&S]
Rocky Mountain spiderwort
Tradescantia scopulorum Rose

pinetorum Greene [Faden 2000; M&H; W&S]
pinewoods spiderwort
Tradescantia tuberosa Greene

scopulorum Rose = Tradescantia occidentalis (Britton) Smyth var. scopulorum (Rose) Anderson & Woodson

tuberosa Greene = Tradescantia pinetorum Greene

virginica Linnaeus var. *occidentalis* Britton = Tradescantia occidentalis (Britton) Smyth var. occidentalis

wrightii Rose & Bush [Faden 2000; Hershey & Leyendecker 1944; Spellenberg 1979]
Wright's spiderwort

Family CONVALLARIACEAE = LILIACEAE

Family CYPERACEAE

Bruhl, J.J. 1995. Sedge genera of the world: relationships and a new classification of the Cyperaceae. Australian Systematic Botany 8(2):125-305.
Cronquist, A. 1977. Cyperaceae, p. 67-174. IN: Intermountain Flora, Vol. 6 (Monocotyledons). New York Botanical Garden. 584 pp.
Tucker, G.C. 1987. The genera of Cyperaceae in the southeastern United States. J. Arnold Arbor. 68:361-445.

Bolboschoenus bulrush

Beetle, A.A. 1942. Studies in the genus Scirpus L. IV. The section Bolboschoenus Pallas Amer. J. Bot. 42:82-88.
Browning, J., K.D. Gordon-Gray, & S.G. Smith. 1995. Achene structure and taxonomy of North American *Bolboschoenus* (Cyperaceae). Brittonia 47(4):433-445.
Smith, S.G. 1995. New combinations in North American *Schoenoplectus*, *Bolboschoenus*, *Isolepis*, and *Trichophorum* (Cyperaceae). Novon 5:97-102.
Smith, S.G. 2002. *Bolboschoenus*, pp. 37-44. IN: Flora of North America, vol. 23. Oxford University Press.

fluviatilis (Torrey) V. Soják [M&H] Note: Smith (2002) could find no specimens from NM of this taxon; perhaps warrants verification.
river bulrush
Scirpus fluviatilis (Torrey) Gray

maritimus (Linnaeus) Palla subsp. ***paludosus*** (A. Nelson) T. Koyama [M&H; W&S]
saltmarsh bulrush
Scirpus brittonianus Piper
Scirpus campestris Britton
Scirpus maritimus Linnaeus var. *paludosus* (A. Nelson) Koyama
Scirpus paludosus A. Nelson

Bulbostylis hair-sedge

Kral, R. 1971. A treatment of *Abildgaardia*, *Bulbostylis* and *Fimbristylis* (Cyperaceae) for North America. Sida 4:57-227.
Kral, R.. 2002. *Bulbostylis*, pp.131-136. IN: Flora of North America, vol. 23. Oxford University Press.

californica Torrey & Gray = Brickellia californica (Torrey & Gray) Gray

capillaris (Linnaeus) Kunth ex C.B. Clarke [Kral 2002; M&H; W&S]
tufted hairsedge
Stenophyllus capillaris (Linnaeus) Britton

funckii (Steudel) C.B. Clarke [Kral 2002; M&H; W&S]
Funck's hairsedge
Stenophyllus funckii (Steudel) Britton

juncoides (Vahl) Kükenthal [Kral 1971; Kral 2002]
rush hairsedge

schaffneri (Boeckeler) C.B. Clarke [Kral 2002; M&H]
Schaffner's hairsedge
Scirpus schaffneri Boeckeler

Carex sedge, caric-sedge

Allred, K.W. 2000. New plant distribution records. The New Mexico Botanist 14:4. [*Carex planostachys*]
Ball, P.W. & A.A. Reznicek. 2002. *Carex*, pp. 254-572. IN: Flora of North America, vol. 23. Oxford University Press.
Cochrane, T.S. 1981. Noteworthy collections (New Mexico). Madroño 28:186-187. [*Carex leptopoda*]
Coop, J. 2002. Plant distribution reports. The New Mexico Botanist 24:7. [*Carex phaeocephala*]
Coop, J. 2003. Plant distribution reports. The New Mexico Botanist 25:7. [*Carex brunnescens, C. conoidea*]
Hartman, R.L. 1973. New plant records for New Mexico. Southwestern Naturalist 18(2):241-242. [*Carex elynoides, oreocharis, praticola*]
Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233. [*Carex deweyana, Carex rosea*]
Hermann, F.J. 1970. Manual of the Carices of the Rocky Mountains and Colorado Basin. USDA Agric. Handb. No. 374.
Hermann, F.J. 1974. Manual of the Genus *Carex* in Mexico and Central America. USDA Agric. Handb. No. 467.
Hipp, A. 2003. Plant distribution reports. The New Mexico Botanist 28:8. [*Carex egglestonii*]
Jones, S.D., C.T. Bryson, and J.E. Ubelaker. 1993. *Carex blanda* and *Kyllinga odorata* (Cyperaceae) new to New Mexico and a significant range extension of *Cyperus retrorsus*. Sida 15(3):552-553.

Keller, C.F. 2005. Plant distribution reports. The New Mexico Botanist 32:7. [*Carex pyrenaica*]
Mackenzie, K.K. 1931-1935. North American Flora. 18. Cyperaceae, Tribe 2, Caricae. New York Botanical Garden.
McGrath, J. 1999. New plant distribution records. The New Mexico Botanist 12:8. [*Carex diandra*]
McGrath, J. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Carex geyeri*, *Carex jonesii*]
McGrath, J. 2002. Plant distribution reports. The New Mexico Botanist 24:7. [*Carex illota*]
McGrath, J. 2003. Plant distribution reports. The New Mexico Botanist 25:7. [*Carex macloviana*]
McGrath, J. 2005. Plant distribution reports (*Carex deweyana*). The New Mexico Botanist 33:7.
Murray, D.F. 1969. Taxonomy of *Carex* sect. *Atratae* (Cyperaceae) in the southern Rocky Mountains. Brittonia 21:55-76.
Peterson, R.S. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Carex angustior*, *Carex sprengelii*]
Reznicek, A.A. 1993. Revision of *Carex* section *Ovales* (Cyperaceae) in Mexico. Contr. Univ. Michigan Herb. 19:97-137.
Roalson, E.H., S.D. Jones, & K.W. Allred. 1995. *Carex amplifolia* and *Carex rossii* (Cyperaceae), new to New Mexico and a key to section *Montanae* in New Mexico. Sida 16(3):592-594.
Sivinski, R. 2001. New plant distribution records. The New Mexico Botanist 20:8. [*Carex albonigra*]
Standley, L.A. 1985. Systematics of the *Acutae* group of *Carex* (Cyperaceae) in the Pacific Northwest. Syst. Bot. Monogr. 7:1-106. [*Carex scopulorum*]
Weber, W.A., B.C. Johnston, & D. Wilken. 1979. Additions to the flora of Colorado. VI. Phytologia 41(7):486-500. [*Carex rostrata* vs. *Carex utriculata*]
Worthington, R.D. 1999. New plant distribution records. The New Mexico Botanist 10:7. [*Carex muriculata*]
Worthington, R.D. 2002. New plant distribution records. The New Mexico Botanist 22:7. [*Carex lativena*]
Worthington, R.D. 2003. Plant distribution records. The New Mexico Botanist 26:7. [*Carex chihuahuensis*]
Worthington, R.D. 2004. Plant distribution reports. The New Mexico Botanist 29:7. [*Carex microdonta*]
Worthington, R. 2005. Plant distribution reports (*Arnica latifolia, Carex bebbii, Carex capitata, Carex garberi*). The New Mexico Botanist 32:7.

agrostoides Mackenzie = Carex alma L.H. Bailey

albonigra Mackenzie [Ball & Reznicek 2002; M&H; Sivinski 2001]
black-and-white-scale sedge

alma L.H. Bailey [M&H; Ball & Resnicek 2002; W&S]
grass-leaf sedge
Carex agrostoides Mackenzie

amplifolia F. Boott [Ball & Reznicek 2002; Roalson et al. 1995]
big-leaf sedge

angustior Linnaeus = Carex echinata Mur.

aquatilis Wahlenberg var. ***aquatilis*** [Ball & Reznicek 2002; M&H; W&S]
leafy tussock sedge
Carex variabilis Bailey

atherodes Sprengel [Ball & Reznicek 2002; M&H; W&S]
wheat sedge

athrostachya Olney [M&H]
slender-beak sedge
Carex tenuirostris Olney

atrata auct. = Carex chalciolepis T. Holm

aurea Nuttall [Ball & Reznicek 2002; M&H; W&S]
golden sedge
Carex hassei Bailey

aureolensis Steudel [Ball & Reznicek 2002]
Aureola sedge
Carex frankii sensu M&H

bebbii (L.H. Bailey) Olney ex Fernald [Worthington 2005]
Bebb's sedge

bella Bailey [Ball & Reznicek 2002; M&H; Murray 1969; W&S]
southwestern sedge

bicknellii Britton : Reported as expected by M&H; awaits verification.

blanda Dewey [Ball & Reznicek 2002; Jones et al. 1993]
woodland sedge

bolanderi Olney [Ball & Reznicek 2002; M&H; W&S]
Bolander's sedge
Carex deweyana Schweinitz var. *bolanderi* (Olney) W. Boott

brevior (Dewey) Mackenzie ex Lunell [Ball & Reznicek 2002; M&H; W&S]
short-beak sedge
Carex festucacea Schkuhr. var. *brevior* (Dewey) Fernald

brittoniana Bailey [=Carex tetrastachya Scheele]: Reported by M&H, but not known from NM (S.D. Jones pers. comm.; Ball & Reznicek 2002)

brunnescens (Persoon) Poiret [Coop 2003]
brownish sedge

camporum Mackenzie = Carex praegracilis W. Boott

canescens Linnaeus [Ball & Reznicek 2002; M&H]
hoary sedge

capillaris Linnaeus [Ball & Reznicek 2002; M&H; W&S]
hair-like sedge
Carex capillaris Linnaeus var. *elongata* Olney
Carex capillaris Linnaeus var. *major* Drejer

capillaris Linnaeus var. *elongata* Olney = Carex capillaris Linnaeus
capillaris Linnaeus var. *major* Drejer = Carex capillaris Linnaeus
capitata Linnaeus [Worthington 2005]
capitate sedge
chalciolepis T. Holm [Ball & Reznicek 2002; M&H; Murray 1969]
two-nerve sedge
Carex atrata of NM reports
Carex heteroneura W. Boott var. *chalciolepis* (Holm) F.J. Hermann
chihuahuensis Mackenzie [Worthington 2003]
Chihuahuan sedge
conoidea Willdenow [Coop 2003]
open-field sedge
deweyana Schweinitz [Hartman 2006; McGrath 2005]
Dewey's sedge
deweyana Schweinitz var. *bolanderi* (Olney) W. Boott = Carex bolanderi Olney
diandra Schrank [McGrath 1999]
lesser tussock sedge
disperma Dewey [Ball & Reznicek 2002; M&H; W&S]
soft-leaf sedge
Carex tenella Schkuhr
douglasii F. Boott [Ball & Reznicek 2002; M&H; W&S]
Douglas's sedge
drummondiana Dewey = Carex rupestris Bellardi var. drummondiana (Dewey) Bailey
duriuscula C.A. Meyer [M&H]
spike-rush sedge
Carex eleocharis Bailey
Carex stenophylla auct.
Carex stenophylla Wahlenberg var. *eleocharis* (Bailey) Breitung
ebenea Rydberg [Ball & Reznicek 2002; M&H; W&S]
ebony sedge
echinata Murray [Peterson 2000]
star sedge
Carex angustior Linnaeus
egglestonii Mackenzie [Hipp 2003]
eleocharis Bailey = Carex duriuscula C.A. Meyer
elynoides Holm [Ball & Reznicek 2002; Hartman 1973; M&H]
black-root sedge
Carex filifolia Nuttall var. *miser* Bailey
emoryi Dewey [Ball & Reznicek 2002; M&H; W&S]
Emory's sedge
Carex stricta Lamarck var. *emoryi* Bailey
festiva Dewey = Carex macloviana d'Urville
festiva sensu W&S : It is unclear which taxon is referrable to W&S's 'Carex festiva'.
festivella Mackenzie = Carex microptera Mackenzie
festucacea var. *brevior* (Dewey) Fernald = Carex brevior (Dewey) Mackenzie
filifolia Nuttall var. ***filifolia*** [Ball & Reznicek 2002; M&H; W&S]
thread-leaf sedge
filifolia Nuttall var. *miser* Bailey = Carex elynoides Holm
frankii sensu M&H = Carex aureolensis Steudel
garberi Fernald [Worthington 2005]
Garber's sedge
geophila Mackenzie [Ball & Reznicek 2002; M&H; W&S]
White Mountain sedge
Carex pityophila Mackenzie
geyeri Boott [McGrath 2000]
Geyer's sedge
gravida L.H. Bailey [Ball & Reznicek 2002; M&H; W&S]
heavy sedge
Carex gravida Bailey var. *lunelliana* (Mackenzie) F.J. Hermann
Carex lunelliana Mackenzie
gravida Bailey var. *lunelliana* (Mackenzie) F.J. Hermann = Carex gravida L.H. Bailey
halleri Gunn. [=Carex norvegica Retzius] : Not known from NM; our material referred to Carex stevenii Holm (S.D. Jones, pers. comm.).
hassei Bailey = Carex aurea Nuttall
heliophila Mackenzie = Carex inops Bailey subsp. heliophila (Mackenzie) Crins
heteroneura W. Boott var. *chalciolepis* (Holm) F.J. Hermann = Carex chalciolepis T. Holm

hystricina Muhlenberg ex Willdenow [Ball & Reznicek 2002; M&H; W&S]
porcupine sedge
illota L.H. Bailey [McGrath 2002]
small-head sedge
inops Bailey subsp. ***heliophila*** (Mackenzie) Crins [Ball & Reznicek 2002; M&H; W&S]
stolon sedge
Carex heliophila Mackenzie
Carex pennsylvanica Lamarck var. digyna Boeckeler
interior Bailey [M&H; W&S]
inland sedge
jonesii Bailey [McGrath 2000]
Jones's sedge
kelloggii W. Boott = Carex lenticularis Michaux var. lipocarpa (Holm) L. Standley
lanuginosa auct. non Michaux = Carex pellita Muhlenberg ex Willdenow
latebrosa Mackenzie = Carex praegracilis W. Boott
lativena S.D. & G.D. Jones [Ball & Reznicek 2002; Worthington 2002]
broad-vein sedge
lenticularis Michaux var. ***lipocarpa*** (Holm) L. Standley [M&H; W&S] Note: Not reported for NM by Ball & Reznicek (2002), but occurring in the surrounding states.
lakeshore sedge
Carex kelloggii W. Boott
leptalea Wahlenberg [Ball & Reznicek 200; M&H]
bristly-stalk sedge
limosa Linnaeus : Reported by M&H, but not known from NM (Ball & Reznicek 2002; S.D. Jones pers. comm.).
lunelliana Mackenzie = Carex gravida L.H. Bailey
macloviana d'Urville [McGrath 2003]
Falkland Island sedge
Carex festiva Dewwy
meadii Dewey : Reported as expected by M&H; awaits verification.
media of NM authors = Carex stevenii (T. Holm) Kalela
media R. Brown var. *stevenii* (Holm) Fernald = Carex stevenii (T. Holm) Kalela
microdonta Torrey & Hooker [Ball & Reznicek 2002; Worthington 2004]
little-tooth sedge
microptera Mackenzie [Ball & Reznicek 2002; M&H]
small-wing sedge
Carex festivella Mackenzie
muriculata F.J. Hermann [Ball & Reznicek 2002; Worthington 1999]
Trans-Pecos sege
nebrascensis Dewey [Ball & Reznicek 2002; M&H; W&S]
Nebraska sedge
neomexicana Mackenzie = Carex occidentalis Bailey
norvegica Retzius subsp. *stevenii* (T. Holm) E. Murray = Carex stevenii (T. Holm) Kalela
nova Bailey [Ball & Reznicek 2002; M&H; Murray 1969; W&S]
new sedge
obtusata Liljeblad [Ball & Reznicek 2002; M&H; W&S]
blunt sedge
occidentalis Bailey [Ball & Reznicek 2002; M&H; W&S]
New Mexico sedge
Carex neomexicana Mackenzie
oederi auct., non Retzius = Carex viridula Michaux
oederi Retzius subsp. *viridula* (Michaux) Kukenthal = Carex viridula Michaux
oreocharis Holm [Hartman 1973; M&H]
grassy-slope sedge
pellita Muhlenberg ex Willdenow [Ball & Reznicek 2002; M&H; W&S]
wooly sedge
Carex lanuginosa auct. non Michaux
pennsylvanica Lamarck var. digyna Boeckeler = Carex inops Bailey subsp. heliophila (Mackenzie) Crins
petasata Dewey [M&H]
Liddon sedge
phaeocephala Piper [Coop 2002]
mountain hare sedge
pityophila Mackenzie = Carex geophila Mackenzie
planostachys Kunze [Allred 2000]
cedar sedge
praegracilis W. Boott [Ball & Reznicek 2002; M&H; W&S]

field sedge
Carex camporum Mackenzie
Carex latebrosa Mackenzie

praticola Rydberg [Hartman 1973; M&H]
meadow sedge

pyrenaica Wahlenberg [Keller 2005]
Pyrenean sedge

rosea Schkuhr ex Willdenow [Hartman et al. 2006]
rosy sedge

rossii F. Boott [Ball & Reznicek 2002; Roalson et al. 1995]
Ross's sedge

rostrata Stokes : Not known from NM; our material mostly referrable to Carex utriculata F. Boott (Ball & Reznicek 2002; Weber et al. 1979)

rostrata of NM reports = Carex utriculata F. Boott

rupestris Bellardi ex Allioni var. ***drummondiana*** (Dewey) Bailey [Hermann 1970] Note: Not reported for NM by Ball & Reznicek (2002); perhaps warrants verification.
Drummond sedge
Carex drummondiana Dewey

rusbyi Mackenzie = Carex vallicola Dewey

scoparia Schkuhr ex Willdenow var. ***scoparia*** [M&H; W&S]
broom sedge

scopulorum Holm [Standley 1985; W&S]
Rocky Mountain sedge

senta F. Boott : Reported by M&H, but NM material is identified as Carex stricta Lamarck (Ball & Reznicek 2002).

siccata Dewey [Ball & Reznicek 2002; M&H; W&S]
dry-spike sedge

simulata Mackenzie [Ball & Reznicek 2002; M&H; W&S]
analogue sedge

spissa L.H. Bailey [Ball & Reznicek 2002; M&H; W&S]
Cochise sedge
Carex spissa L.H. Bailey var. *ultra* (L.H. Bailey) Kükenthal
Carex ultra L.H. Bailey

spissa L.H. Bailey var. *ultra* (L.H. Bailey) Kükenthal = Carex spissa L.H. Bailey

sprengelii Dewey [Peterson 2000]
Sprengel's sedge

stenophylla auct. = Carex duriuscula C.A. Meyer

stenophylla Wahlenberg var. *eleocharis* (Bailey) Breitung = Carex duriuscula C.A. Meyer

stevenii (T. Holm) Kalela [Ball & Reznicek 2002; M&H; Murray 1969; W&S]
Steven's sedge
Carex media of NM authors
Carex media R. Brown var. *stevenii* (Holm) Fernald
Carex norvegica Retzius subsp. *stevenii* (Holm) E. Murray

stipata Muhlenberg ex Willdenow var. ***stipata*** [Ball & Reznicek 2002; M&H; W&S]
stalked sedge

stricta Lamarck [Ball & Reznicek 2002]
uptight sedge

stricta Lamarck var. *emoryi* Bailey = Carex emoryi Dewey

subfusca W. Boott [Ball & Reznicek 2002; Reznicek 1993; W&S]
rusty sedge

tahoensis Smiley : Reported by Kartesz (1999) without documentation; awaits verification.

tenella Schkuhr = Carex disperma Dewey

tenera Dewey : Reported by Abrams (1940-1960), but this questioned in view of its distribution in Wyoming and northward; awaits verification.

tenuirostris Olney = Carex athrostachya Olney

ultra Bailey = Carex spissa L.H. Bailey

utriculata F. Boott [Ball & Reznicek 2002; M&H; W&S]
Northwest Territory sedge
Carex rostrata of NM reports

vallicola Dewey [Ball & Reznicek 2002; M&H; W&S]
Rusby's sedge
Carex rusbyi Mackenzie
Carex vallicola Dewey var. *rusbyi* (Mackenzie) F.J. Hermann

vallicola Dewey var. *rusbyi* (Mackenzie) F.J. Hermann = Carex vallicola Dewey

variabilis Bailey = Carex aquatilis Wahlenberg

vesicaria Linnaeus : Reported by M&H, but this questioned in view of its distribution; awaits verification.

viridula Michaux var. ***viridula*** [Ball & Reznicek 2002; M&H]
little green sedge
Carex *oederi* auct., non Retzius
Carex oederi Retzius subsp. *viridula* (Michaux) Kukenthal
vulpinoidea Michaux [Ball & Reznicek 2002; M&H]
fox sedge
wootonii Mackenzie [Ball & Reznicek 2002; M&H; W&S]
Wooton's sedge
xerantica Bailey : Reported by M&H, but this questioned in view of its distribution in Wyoming and northward; awaits verification.

Cladium saw-grass

Allred, K.W. 2003. Plant distribution reports. The New Mexico Botanist 26:7. [*Cladium californicum*]

californicum (S. Watson) O'Neill [Allred 2003; M&H; W&S]
Cladium mariscus (Linnaeus) Pohl var. *californicum* S. Watson
swamp saw-grass
mariscus (Linnaeus) Pohl var. *californicum* S. Watson = Cladium californicum (S. Watson) O'Neill

Cyperus flat-sedge

Adams, T. 1998. New plant distribution records. The New Mexico Botanist 7:6. [*Cyperus bipartitus*]
Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Cyperus rotundus*]
Carter, R. & S.D. Jones. 1997. Notes on the *Cyperus retroflexus* complex (Cyperaceae) with three nomenclatural proposals. Rhodora 99:319-334.
Horvat, M.L. 1941. A revision of the subgenus *Mariscus* found in the U.S.A. Catholic Univ. Amer., Biol. Ser. 33:1-147. [*Cyperus niger*]
Jones, S.D., C.T. Bryson, and J.E. Ubelaker. 1993. *Carex blanda* and *Kyllinga odorata* (Cyperaceae) new to New Mexico and a significant range extension of *Cyperus retrorsus*. Sida 15(3):552-553.
Jones, S.D., A.A. Reznicek, & G.D. Jones. 1993. *Cyperus setigerus* (Cyperaceae) new for New Mexico. Sida 15(4):655-656.
Jones, S.D., J.K. Wipff, & R. Carter. 1996. Nomenclatural combinations in *Cyperus* (Cyperaceae). Phytologia 80(4):288-290.
Kessler, J.W. 1984. *Cyperus ovularis* (Michaux) Torrey var. *cylindricus* (Ell.) Torrey new to New Mexico. Sida 10:258.
Schippers, P., S.J. Ter Borg, & J.J. Bos. 1995. A revision of the infraspecific taxonomy of *Cyperus esculentus* (yellow nutsedge) with an experimentally evaluated character set. Syst. Bot. 20(4):461-481.
Tucker, G.C. 1985. *Cyperus flavicomus*, the correct name for *Cyperus albomarginatus*. Rhodora 87:539-541.
Tucker, G.C. 1994. Revision of the Mexican species of *Cyperus* (Cyperaceae). Syst. Bot. Monogr. 43:1-213.
Tucker, G.C. 1996. New plant distribution records. The New Mexico Botanist 4:8. [*Cyperus strigosus*]
Tucker, G.C., B.G. Marcks, & J.R. Carter. 2002. *Cyperus*, pp. 141-191. IN: Flora of North America, vol. 23. Oxford University Press.

acuminatus Torrey & Hooker ex Torrey [M&H; W&S] Note: Not reported for NM by Tucker et al. (2002), but listed for all states surrounding NM.
taper-tip flat-sedge
Cyperus cyrtolepis Torrey & Hooker
aggregatus (Willdenow) Endlicher [M&H; Tucker 1994; Tucker et al. 2002]
inflated flat-sedge
Cyperus flavus (Hahl) Nees
Cyperus huarmensis (Humboldt, Bonpland, & Kunth) M.C. Johnston
albomarginatus (Martius & Schrader ex Nees) Steudel = Cyperus flavicomus Michaux
aristatus Rottboell = Cyperus squarrosus Linnaeus
bipartitus Torrey [Adams 1998; Tucker et al. 2002]
shining flat-sedge
compressus Linnaeus [Tucker 1994; Tucker et al. 2002]
poorland flat-sedge
cyrtolepis Torrey & Hooker = Cyperus acuminatus Torrey & Hooker
difformis Linnaeus [Tucker 1994; Tucker et al. 2002]
variable flat-sedge
dipsaceus Leibman [Tucker 1994; Tucker et al. 2002]
Wright's flat-sedge
Cyperus wrightii Britton
echinatus (Linnaeus) Wood : Kartesz (1999) reports this species for NM, apparently based on a misinterpretation of Cyperus ovularis sensu stricto in Tucker (1984); awaits verification.
elegans Linnaeus [Tucker 1994; Tucker et al. 2002]
royal flat-sedge
erythrorhizos Muhlenberg [M&H; Tucker et al. 2002; W&S]
red-root flat-sedge
esculentus Linnaeus var. ***leptostachyus*** Boeckeler [M&H; Tucker et al. 2002; W&S]
chufa, yellow nut-sedge
esculentus Linnaeus var. ***macrostachyus*** Boeckeler [M&H; Tucker et al. 2002; W&S]
chufa, yellow nut-sedge
fendlerianus Boeckeler var. *debilis* (Britton) Kükenthal = Cyperus sphaerolepis Boeckeler
fendlerianus Boeckeler [M&H; Tucker et al. 2002; W&S]
Fendler's flat-sedge
ferax L.C.M. Richard = Cyperus odoratus Linnaeus var. squarrosus (Britton) Jones, Wipff, & Carter
ferruginescens Boeckeler = Cyperus odoratus Linnaeus var. squarrosus (Britton) Jones, Wipff, & Carter
filiculmis sensu western authors [= Cyperus lupulinus (Sprengel) B.G. Marcks] : Reported as expected by M&H; awaits verification. The true Cyperus filiculmis Vahl is a species of the eastern coastal plains. (Tucker 1994).

flavicomus Michaux [M&H; Tucker 1985; Tucker et al. 2002]
white-edge flat-sedge
Cyperus albomarginatus (Martius & Schrader ex Nees) Steudel
flavus (Hahl) Nees = Cyperus aggregatus (Willdenow) Endlicher
huarmensis (Humboldt, Bonpland, & Kunth) M.C. Johnston = Cyperus aggregatus (Willdenow) Endlicher
inflexus Muhlenberg = Cyperus squarrosus Linnaeus
laevigatus Linnaeus : Reported as expected by M&H; awaits verification.
lupulinus (Sprengel) B.G. Marcks : Reported as expected by M&H (C. filiculmis auct.); awaits verification.
niger Ruiz & Pavón [Horvat 1941; Tucker et al. 2002]
black flat-sedge
Cyperus niger Ruiz & Pavón var. *capitatus* (Britton) O'Neill
Cyperus niger Ruiz & Pavon var. *castaneus* (S. Watson) Kükenthal
niger Ruiz & Pavón var. *capitatus* (Britton) O'Neill = Cyperus niger Ruiz & Pavón
niger Ruiz & Pavon var. *castaneus* (S. Watson) Kükenthal = Cyperus niger Ruiz & Pavón
odoratus Linnaeus var. ***squarrosus*** (Britton) Jones, Wipff, & Carter [M&H; Tucker et al. 2002; W&S]
rusty flat-sedge
Cyperus ferax L.C.M. Richard
Cyperus ferruginescens Boeckeler
Cyperus speciosus Vahl
Cyperus speciosus Vahl var. *squarrosus* Britton
pallidicolor (Kükenthal) G. Tucker [Tucker et al. 2002]
pale flat-sedge
parishii Britton [M&H; Tucker et al. 2002; W&S]
Parish's flat-sedge
Cyperus sphacelatus Britton
retroflexus Buckley var. ***pumilus*** (Britton) R. Carter & S.D. Jones [Carter & Jones 1997; M&H; Tucker et al. 2002; W&S]
one-flowered flat-sedge
Cyperus uniflorus Torrey & Hooker
****rotundus*** Linnaeus [Allred 1999; Tucker et al. 2002]
purple nut-sedge
rusbyi Britton = Cyperus sphaerolepis Boeckeler
schweinitzii Torrey [Tucker et al. 2002]
sand flat-sedge
seslerioides Kunth : Reported as expected by M&H; awaits verification.
sesquiflorus (Torrey) Mattfeld & Kükenthal = Kyllinga odorata Vahl
setigerus Torrey & Hooker [Jones et al. 1993; Tucker et al. 2002]
lean flat-sedge
speciosus Vahl = Cyperus odoratus Linnaeus var. squarrosus (Britton) Jones, Wipff, & Carter
speciosus Vahl var. *squarrosus* Britton = Cyperus odoratus Linnaeus var. squarrosus (Britton) Jones, Wipff, & Carter
spectabilis Link : Reported by Kartesz (1999), but not verified by Tucker et al. 2002.
sphacelatus Britton = Cyperus parishii Britton
sphaerolepis Boeckeler [M&H; Tucker 1994; Tucker et al. 2002; W&S]
Rusby's flat-sedge
Cyperus fendlerianus Boeckeler var. *debilis* (Britton) Kükenthal
Cyperus rusbyi Britton
squarrosus Linnaeus [M&H; Tucker et al. 2002; W&S]
awned flat-sedge
Cyperus aristatus Rottboell Note: This name is illegitimate, being superfluous at the time of publication.
Cyperus inflexus Muhlenberg
strigosus Linnaeus [Tucker 1996; Tucker et al. 2002]
straw-color flat-sedge
tetragonous Elliott [Tucker et al. 2002]
four-angle flat-sedge
uniflorus Torrey & Hooker = Cyperus retroflexus Buckley var. pumilus (Britton) R. Carter & S.D. Jones
wrightii Britton = Cyperus dipsaceus Leibman

Eleocharis spike-rush

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Eleocharis geniculata*]
Harms, L.J. 1972. Cytotaxonomy of the *Eleocharis tenuis* complex. Amer. J. Bot. 59:483-487.
Hartman, R.L. 1973. New plant records for New Mexico. Southwestern Naturalist 18(2):241-242. [*Eleocharis compressa*]
Larson, B.M.H. & P.M. Catling. 1996. The separation of *Eleocharis obtusa* and *Eleocharis ovata* (Cyperaceae) in eastern Canada. Can. J. Bot. 74:238-242.
Sivinski, R., T. Lowrey, & C. Keller. 1995[1996]. Additions to the floras of Colorado and New Mexico. Phytologia 79(5):319-324. [*Eleocharis bella*]
Smith, S.G. 2001. Taxonomic innovations in North American *Eleocharis* (Cyperaceae). Novon 11(2):241-257. [*Eleocharis acicularis porcata*]
Smith, S.G., J.J. Bruhl, M.S. Gonzalez-Elizondo, & F.J. Menapace. 2002. *Eleocharis*, pp. 60-120. IN: Flora of North America, vol. 23. Oxford University Press.

acicularis (Linnaeus) Roemer & Schultes [Smith 2001; Smith et al. 2002]
needle spike-rush
Eleocharis acicularis (Linnaeus) Roemer & Schultes var. *porcata* S.G. Smith
acicularis (Linnaeus) Roemer & Schultes var. *bella* Piper = Eleocharis bella (Piper) Svenson

acicularis (Linnaeus) Roemer & Schultes var. *porcata* S.G. Smith = Eleocharis acicularis (Linnaeus) Roemer & Schultes
acicularis (Linnaeus) Roemer & Schultes var. *radicans* (Poiret) Britt = Eleocharis radicans (A. Dietrich) Kunth
albida Torrey [Smith et al. 2002]
white spike-rush
arenicola Torrey = Eleocharis montevidensis Kunth
atropurpurea (Retzius) J. & K. Presl [M&H; Smith et al. 2002]
purple spike-rush
bella (Piper) Svenson [Sivinski et al. 1995; Smith et al. 2002]
delicate spike-rush
Eleocharis acicularis (Linnaeus) Roemer & Schultes var. *bella* Piper
cancellata S. Watson : Reported as expected by M&H; awaits verification.
caribaea auct., not (Rottboell) S.F. Blake = Eleocharis geniculata (Linnaeus) Roemer & Schultes
coloradoensis (Britton) Gilly [M&H; Smith et al. 2002]
dwarf spike-rush
Eleocharis *parvula* sensu M&H
Eleocharis parvula (Roemer & Schultes) Link ex Bluff, Nees & Schauer var. *anachaeta* (Torrey) Svenson
compressa Sullivant var. ***acutisquamata*** (Buckley) S.G. Smith [Hartman 1973; M&H; Smith et al. 2002]
flat-stem spike-rush
cylindrica Buckley : Reported questionably by Kartesz (1999), but not by Smith et al. (2002); awaits verification.
engelmannii Steudel [M&H; Smith et al. 2002; W&S]
Engelmann's spike-rush
Eleocharis engelmannii Steudel var. *monticola* (Fernald) Svenson
Eleocharis monticola Fernald
Eleocharis obtusa (Willdenow) Schultes var. *engelmannii* (Steudel) Gilly
engelmannii Steudel var. *monticola* (Fernald) Svenson = Eleocharis engelmannii Steudel
erythropoda Steudel [Smith et al. 2002]
bald spike-rush
geniculata (Linnaeus) Roemer & Schultes [Allred 1999; Smith et al. 2002]
capitate spike-rush
Eleocharis caribaea auct., not (Rottboell) S.F. Blake
glaucescens (Willdenow) Schultes = Eleocharis palustris (Linnaeus) Roemer & Schultes
macrostachya Britton [M&H; Smith et al. 2002]
pale spike-rush
montana (Humboldt, Bonpland, & Kunth) Roemer & Schultes [M&H; W&S] Note: Not reported for NM by Smith et al. 2002.
mountain spike-rush
Eleocharis montana (Humboldt, Bonpland, & Kunth) Roemer & Schultes var. *nodulosa* (Roth) Svenson
montana (Humboldt, Bonpland, & Kunth) Roemer & Schultes var. *nodulosa* (Roth) Svenson = Eleocharis montana (Humboldt, Bonpland, & Kunth) Roemer & Schultes
montevidensis Kunth [M&H; Smith et al. 2002]
sand spike-rush
Eleocharis arenicola Torrey
monticola Fernald = Eleocharis engelmannii Steudel
obtusa (Willdenow) Schultes [M&H] Note: Not reported for NM by Smith et al. 2002.
blunt spike-rush
Eleocharis ovata (Roth) Roemer & Schultes var. *obtusa* (Willdenow) Kükenthal
obtusa (Willdenow) Schultes var. *engelmannii* (Steudel) Gilly = Eleocharis engelmannii Steudel
ovata (Roth) Roemer & Schultes var. *obtusa* (Willdenow) Kükenthal = Eleocharis obtusa (Willdenow) Schultes
palustris (Linnaeus) Roemer & Schultes [M&H; Smith et al. 2002; W&S]
marshy spike-rush
Eleocharis glaucescens (Willdenow) Schultes
parishii Britton [M&H; Smith et al. 2002]
Parish's spike-rush
parvula sensu M&H = Eleocharis coloradoensis (Britton) Gilly
parvula (Roemer & Schultes) Link ex Bluff, Nees & Schauer var. *anachaeta* (Torrey) Svenson = Eleocharis coloradoensis (Britton) Gilly
pauciflora (Lightfoot) Link = Eleocharis quinqueflora (F.X. Hartman) O. Schwarz
pauciflora (Lightfoot) Link var. *suksdorfiana* (Beauvois) Svenson = Eleocharis quinqueflora (F.X. Hartman) O. Schwarz
quinqueflora (F.X. Hartman) O. Schwarz [M&H; Smith et al. 2002; W&S]
few-flowered spike-rush
Eleocharis pauciflora (Lightfoot) Link
Eleocharis pauciflora (Lightfoot) Link var. *suksdorfiana* (Beauvois) Svenson
Scirpus pauciflorus Lightfoot
radicans (A. Dietrich) Kunth : Reported as expected by M&H; awaits verification.
Eleocharis acicularis (Linnaeus) Roemer & Schultes var. *radicans* (Poiret) Britt
rostellata (Torrey) Torrey [M&H; Smith et al. 2002; W&S]
beaked spike-rush
uniglumis (Link) Schultes [Smith et al. 2002]

saltmarsh spike-rush

Eriophorum cotton-grass

Ball, P.W. & D.E. Wujek. 2002. *Eriophorum*, pp. 21-27. IN: Flora of North America, vol. 23. Oxford University Press.

angustifolium Honckeny subsp. ***angustifolium*** [M&H; W&S]

tall cotton-grass

Eriophorum polystachion Linnaeus, p.p.

polystachion Linnaeus, p.p. = Eriophorum angustifolium Roth

Fimbristylis fimbry

Kral, R. 1971. A treatment of *Abildgaardia*, *Bulbostylis* and *Fimbristylis* (Cyperaceae) for North America. Sida 4:57-227.

Kral, R.. 2002. *Fimbristylis*, pp.121-131. IN: Flora of North America, vol. 23. Oxford University Press.

baldwiniana (Schultes) Torrey : Reported as expected by M&H; awaits verification.

puberula (Michaux) Vahl var. ***interior*** (Britton) Kral [Kral 2002; M&H]

hairy fimbry

Fimbristylis spadicea sensu M&H

spadicea sensu M&H = Fimbristylis puberula (Michaux) Vahl var. interior (Britton) Kral

vahlii (Lamarck) Link : Reported as expected by M&H; awaits verification.

Fuirena umbrella-sedge

Kral, R. 1978. A synopsis of *Fuirena* (Cyperaceae) for the Americas north of South America. Sida 7:309-354.

Kral, R. 2002. *Fuirena*, pp. 32-37. IN: Flora of North America, vol. 23. Oxford University Press.

simplex Vahl var. ***aristulata*** (Torrey) Kral [Kral 2002]

western umbrella-sedge

simplex Vahl var. ***simplex*** [Kral 1978; M&H]

western umbrella-sedge

Hemicarpha micrantha (Vahl) Pax var. aristulata Coville = Lipocarpha aristulata (Coville) Tucker

micrantha (Vahl) Pax var. *drummondii* (Nees) Friedland = Lipocarpha drummondii (Nees) G.C. Tucker

micrantha (Vahl) Pax var. *minor* (Schrader) Friedland = Lipocarpha micrantha (Vahl) Tucker

Kobresia bog-sedge

Ball, P.W. 2002. *Kobresia*, pp. 252-253. IN: Flora of North America, vol. 23. Oxford University Press.

bellardii (Allioni) Degland = Kobresia myosuroides (Villars) Fiori & Paoli

myosuroides (Villars) Fiori & Paoli [Ball 2002; M&H; W&S]

bog-sedge

Kobresia bellardii (Allioni) Degland

Kyllinga spike-sedge

Jones, S.D., C.T. Bryson, and J.E. Ubelaker. 1993. *Carex blanda* and *Kyllinga odorata* (Cyperaceae) new to New Mexico and a significant range extension of *Cyperus retrorsus*. Sida 15(3):552-553.

Tucker, G.C. 1984. A revision of the genus *Kyllinga* Rottboell (Cyperaceae) in Mexico and Central America. Rhodora 86:507-538.

Tucker, G.C. 2002. *Kyllinga*, pp. 193-194. IN: Flora of North America, vol. 23. Oxford University Press.

odorata Vahl [Jones et al. 1993; Tucker 2002]

fragrant spike-sedge

Cyperus sesquiflorus (Torrey) Mattfeld & Kükenthal

Lipocarpha chaff-sedge

Friedland, S. 1941. The American species of *Hemicarpha*. Amer. J. Bot. 28:855-861.

Tucker, G.C. 2002. *Lipocarpha*, pp. 195-197. IN: Flora of North America, vol. 23. Oxford University Press.

aristulata (Coville) G. Tucker [Friedland 1941; Tucker 2002]

awned chaff-sedge

Hemicarpha micrantha (Vahl) Pax var. aristulata Coville

drummondii (Nees) G. Tucker [Friedland 1941; M&H; Tucker 2002; W&S]

Drummond's chaff-sedge

Hemicarpha micrantha (Vahl) Pax var. *drummondii* (Nees) Friedland

micrantha (Vahl) G. Tucker [Friedland 1941; Tucker 2002]

small-flowered chaff-sedge

Hemicarpha micrantha (Vahl) Pax var. *minor* (Schrader) Friedland

Schoenoplectus bulrush

Raynal, J. 1976. Notes cyperologiques: 26. Le genre *Schoenoplectus*. II. L'amphicarpie et la sect. *Supini*. Adansonia, series 2, 16:119-155.

Schuyler, A.E. 1974. Typification and application of the names *Scirpus americanus* Persoon, *S. olneyi* Gray, and *S. pungens* Vahl. Rhodora 76(805):51-52.

Smith, S.G. 1995. New combinations in North American *Schoenoplectus*, *Bolboschoenus*, *Isolepis*, and *Trichophorum* (Cyperaceae). Novon 5:97-102.

Smith, S.G. 2002. *Schoenoplectus*, pp. 44-60. IN: Flora of North America, vol. 23. Oxford University Press.

acutus (Muhlenberg ex Bigelow) A. & D. Löve var. ***occidentalis*** (S. Watson) Smith [M&H; Smith 2002; W&S]

hardstem bulrush

Scirpus acutus of NM authors

Scirpus acutus Muhlenberg ex Bigelow var. *occidentalis* (S. Watson) Beetle

Scirpus lacustris Linnaeus var. *occidentalis* S. Watson

Scirpus occidentalis (S. Watson) Chase

americanus (Persoon) Volkart ex Schinz & R. Keller [M&H; Smith 2002; W&S]

chairmaker's bulrush

Scirpus americanus Persoon

Scirpus olneyi Gray

americanus of NM authors, not Persoon = Schoenoplectus pungens (Vahl) Palla var. longispicatus (Britton) S.G. Smith

californicus (C.A. Meyer) Palla [M&H]
California bulrush
Scirpus californicus (C.A. Meyer) Steudel
pungens (Vahl) Palla var. ***longispicatus*** (Britton) S.G. Smith [M&H; Smith 2002; W&S]
three-square bulrush
Scirpus americanus of NM authors, not Persoon
Scirpus pungens Vahl
tabernaemontani (C.C. Gmelin) Palla [M&H; Smith 2002]
softstem bulrush
Scirpus validus Vahl
validus Vahl = Schoenoplectus tabernaemontani (C.C. Gmelin) Palla

Scirpus bulrush

Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Scirpus pendulus*]
Koyama, T. 1962. The genus *Scirpus* Linn. Some North American aphylloid species. Can. J. Bot. 40:913-937.
Koyama, T. 1963. The genus *Scirpus* Linn. Critical species in the section *Pterolepis*. Can. J. Bot. 41:1107-1131.
Schuyler, A.E. 1966. The taxonomic delineation of *Scirpus lineatus* and *Scirpus pendulus*. Notulae Naturae, Acad. Nat. Sci. Philadelphia 3:1-3.
Schuyler, A.E. 1974. Typification and application of the names *Scirpus americanus* Persoon, *S. olneyi* Gray, and *S. pungens* Vahl. Rhodora 76(805):51-52.
Smith, S.G. 1995. New combinations in North American *Schoenoplectus*, *Bolboschoenus*, *Isolepis*, and *Trichophorum* (Cyperaceae). Novon 5:97-102.
Smith, S.G. & G. Yatskievych. 1996. Notes on the genus Scirpus sensu lato in Missouri. Rhodora 98:168-179.
Whittemore, A.T. & A.E. Schuyler. *Scirpus*, pp. 8-21. IN: Flora of North America, vol. 23. Oxford University Press.

acutus Muhlenberg ex Bigelow, sensu stricto : not known from NM (Smith 1995)
acutus of NM authors = Schoenoplectus acutus (Muhlenberg ex Bigelow) A. & D. Löve var. occidentalis (S. Watson) Smith
acutus Muhlenberg ex Bigelow var. *occidentalis* (S. Watson) Beetle = Schoenoplectus acutus (Muhlenberg ex Bigelow) A. & D. Löve var. occidentalis (S. Watson) Smith
americanus of NM authors = Schoenoplectus pungens (Vahl) Palla
americanus Persoon = Schoenoplectus americanus (Persoon) Volk.
atrovirens sensu W&S = Scirpus pallidus (Britton) Fernald
atrovirens Muhlenberg var. *pallidus* Britton = Scirpus pallidus (Britton) Fernald
brittonianus Piper = Bolboschoenus maritimus (Linnaeus) Palla subsp. paludosus (A. Nelson) T. Koyama
californicus (C.A. Meyer) Steudel = Schoenoplectus californicus (C.A. Meyer) Palla
campestris Britton = Bolboschoenus maritimus (Linnaeus) Palla subsp. paludosus (A. Nelson) T. Koyama
fluviatilis (Torrey) Gray = Bolboschoenus fluviatilis (Torrey) V. Soják
lacustris Linnaeus var. *occidentalis* S. Watson = Schoenoplectus acutus (Muhlenberg ex Bigelow) A. & D. Löve var. occidentalis (S. Watson) Smith
maritimus Linnaeus var. *paludosus* (A. Nelson) Koyama = Bolboschoenus maritimus (Linnaeus) Pallas subsp. paludosus (A. Nelson) T. Koyama
microcarpus J. & K. Presl [M&H; W&S]
red-tinged bulrush
occidentalis (S. Watson) Chase = Schoenoplectus acutus (Muhlenberg ex Bigelow) Löve & Löve var. occidentalis (S. Watson) S.G. Smith
olneyi Gray = Schoenoplectus americanus (Persoon) Volkart ex Schinz & R. Keller
pallidus (Britton) Fernald [M&H]
pale bulrush
Scirpus atrovirens sensu W&S
Scirpus atrovirens Muhlenberg var. *pallidus* Britton
paludosus A. Nelson = Bolboschoenus maritimus (Linnaeus) Pallas subsp. paludosus (A. Nelson) T. Koyama
pauciflorus Lightfoot = Eleocharis quinquiflora (F.X. Hartman) O. Schwarz
pendulus Muhlenberg [Allred 1999]
rufous bulrush
pungens Vahl = Schoenoplectus pungens (Vahl) Palla
schaffneri Boeckeler = Bulbostylis schaffneri (Boeckeler) C.B. Clarke
validus Vahl = Schoenoplectus tabernaemontani (C.C. Gmelin) Palla
Stenophyllus capillaris (Linnaeus) Britton = Bulbostylis capillaris (Linnaeus) C. B. Clarke
funckii (Steudel) Britton = Bulbostylis funckii (Steudel) C.B. Clarke

Family DRACAENACEAE = AGAVACEAE

Family GRAMINEAE = POACEAE

Family HYDROCHARITACEAE

Anacharis canadensis (Michaux) Planchon = Elodea canadensis Michaux
densa (Planchon) Victorin = Egeria densa Planchon
nuttallii Planchon = Elodea nuttallii (Planchon) St. John
occidentalis (Pursh) Victorin = Elodea nuttallii (Planchon) St. John

Egeria waterweed

Cook, C.D.K. & K. Urmi-Konig. 1984. A revision of the genus *Egeria* (Hydrocharitaceae). Aquatic Bot. 13:485-504.

***densa** Planchon [M&H]
Brazilian waterweed
Anacharis densa (Planchon) Victorin
Elodea densa (Planchon) Caspary

Philotria densa (Planchon) Small

Elodea waterweed

Catling, P.M. & W. Wojtas. 1986. The waterweeds (*Elodea* and *Egeria*, Hydrocharitaceae) in Canada. Canad. J. Bot. 64:1525-1541.

bifoliata St. John [M&H]
two-leaf waterweed
Elodea longivaginata St. John

canadensis Michaux [M&H]
Canadian waterweed
Anacharis canadensis (Michaux) Planchon
Elodea planchonni Caspary
Philotria canadensis (Michaux) Britton

densa (Planchon) Caspary = Egeria densa Planch

longivaginata St. John = Elodea bifoliata St. John

nuttallii (Planchon) St. John [M&H]
western waterweed
Anacharis nuttallii Planchon
Anacharis occidentalis (Pursh) Victorin

planchonni Caspary = Elodea canadensis Michaux

Najas = see Najadaceae

Philotria canadensis (Michaux) Britton = Elodea canadensis Michaux

densa (Planchon) Small = Egeria densa Planchon

Vallisneria eel-grass

americana Michaux [M&H]
American eel-grass
Vallisneria spiralis of authors

spiralis of authors = Vallisneria americana Michaux

Family IRIDACEAE

Iris iris

Foster, R.C. 1937. A cyto-taxonomic survey of the North American species of *Iris*. Contr. Gray herb. 119:3-82.

Henderson, N.C.. 2002. *Iris*, pp. 371-395. IN: Flora of North America, vol. 26. Oxford University Press, New York.

missouriensis Nuttall [Henderson 2002; M&H; W&S]
Rocky Mountain iris

Orelirion arizonicum (Rothrock) Bicknell = Sisyrinchium arizonicum Rothrock

Sisyrinchium blue-eyed-grass

Cholewa, A.F. & D.M. Henderson. 2002. *Sisyrinchium*, pp. 351-371. IN: Flora of North America, vol. 26. Oxford University Press, New York.

Goldblatt, P., P. Rudall, & J.E. Henrich. 1990. The genera of the *Sisyrinchium* alliance (Iridaceae: Iridoideae): Phylogeny and relationships. Syst. Bot. 15(3):497-510.

Henderson, D.M. 1976. A biosystematic study of Pacific northwestern blue-eyed- grasses (*Sisyrinchium*, Iridaceae). Brittonia 28:149-176.

Hess, W.J. 1975. Notes on the flora of the Mogollon Mountains, New Mexico. Sida 6:48-51. [*Sisyrinchium longipes*]

Mosquin, T. 1970. Chromosome numbers and a proposal for classification in *Sisyrinchium* (Iridaceae). Madroño 20:269-275.

arizonicum Rothrock [Chowlewa & Henderson 2002; M&H; W&S]
Arizona blue-eyed-grass
Orelirion arizonicum (Rothrock) Bicknell

campestre Bicknell : Reported by M&H and W&S, but Cholewa & Henderson show the range of this species as central Kansas and eastward; our plants probably referable to Sisyrinchium montanum; merits verification.

demissum Greene [Chowlewa & Henderson 2002; M&H; W&S]
stiff blue-eyed-grass

elmeri Greene : NM reports of this species belong to Sisyrinchium longipes (Bicknell) Kearney & Peebles; *S. elmeri* Greene is endemic to California.

idahoense Bicknell var. ***occidentale*** (Bicknell) D.M. Henderson [Chowlewa & Henderson 2002; M&H; W&S]
western blue-eyed-grass
Sisyrinchium occidentale Bicknell

longipes (Bicknell) Kearney & Peebles [Chowlewa & Henderson 2002; Hess 1975]
timberland blue-eyed-grass

montanum Greene var. ***montanum*** [Chowlewa & Henderson 2002; M&H]
mountain blue-eyed-grass

occidentale Bicknell = Sisyrinchium idahoense Bicknell var. occidentale (Bicknell) D.M. Henderson

Family JUNCACEAE

Cronquist, A. 1977. Juncaceae, pp. 47-67. IN: Intermountain Flora, vol. 6. New York Botanical Garden.

Juncoides intermedium (Thuiller) Rydberg = Luzula multiflora (Retzius) Lejeune

parviflorum (Ehrhart) Coville = Luzula parviflora (Ehrhart) Desvaux

spicatum (Linnaeus) Kuntze = Luzula spicata (Linnaeus) A.P. de Candolle

Juncus rush

Brooks, R.E. & S.E. Clemants. 2000. *Juncus*, p. 211-255. IN: Flora North America, vol. 22. Oxford University Press.

Hermann, F.J. 1975. Manual of the rushes (*Juncus* spp.) of the Rocky Mountains and Colorado Basin. USDA For. Serv. Gen. Tech. Rep. RM-18. 107 pp.

Hurd, E.G., S. Goodrich, & N.L. Shaw. 1997. Field guide to Intermountain rushes. USDA For. Ser. Gen. Tech. Rep. INT-306.

McGrath, J. 1999. New plant distribution records. The New Mexico Botanist 12:8. [*Juncus hallii*]

acuminatus Michaux [Brooks & Clemants 2000; M&H]
knotty rush

albescens (Lange) Fernald = Juncus triglumis Linnaeus var. albescens Lange

arcticus Willdenow var. ***balticus*** (Willdenow) Trautvetter [Brooks & Clemants 2000; M&H; W&S]
baltic rush
Juncus balticus Willdenow var. *montanus* Engelmann

arcticus Willdenow var. ***mexicanus*** (Willdenow ex J.A. & J.H. Schultes) Balslev [Brooks & Clemants 2000; M&H; W&S]
Mexican rush
Juncus balticus Willdenow var. *mexicanus* (Willdenow ex J.A. & J.H. Schultes) Kuntze
Juncus mexicanus (Willdenow ex J.A. & J.H. Schultes)

arizonicus Wiegand = Juncus interior Wiegand

articulatus Linnaeus [Brooks & Clemants 2000; M&H]
jointed rush

badius Suksdorf = Juncus nevadensis S. Watson

balticus Willdenow var. *montanus* Engelmann = Juncus arcticus Willdenow var. balticus (Willdenow) Trautvetter

balticus Willdenow var. *mexicanus* (Willdenow) Kuntze = Juncus arcticus Willdenow var. mexicanus (Willdenow ex Roemer & Schultes) Balslev

brachyphyllus Wiegand [Hermann 1975; W&S] Note: Brooks & Clemants (2000) report this taxon some distance from NM; perhaps merits verification.
short-leaf rush

brunnescens Rydberg = Juncus ensifolius Wikström var. montanus (Engelmann) C.L. Hitchcock

bufonius Linnaeus [Brooks & Clemants 2000; M&H; W&S]
toad rush

castaneus J.E. Smith [Brooks & Clemants 2000; M&H; W&S]
chestnut rush

confusus Coville [M&H; W&S]
Colorado rush

dichotomus Elliott [M&H] Note: Brooks & Clemants (2000) do not include NM; perhaps merits verification.
forked rush

drummondii E. Meyer [Brooks & Clemants 2000; M&H; W&S]
Drummond's rush

dudleyi Wiegand [Brooks & Clemants 2000; M&H; W&S]
Dudley's rush
Juncus tenuis Willdenow var. *dudleyi* (Wiegand) F.J. Hermann

effusus Linnaeus var. solutus Fernald & Wiegand : Reported by M&H, but specimens referred to this have been identified as Juncus arcticus Willdenow and Juncus dudleyi Wiegand.

ensifolius Wikström var. ***montanus*** (Engelmann) C.L. Hitchcock [Brooks & Clemants 2000; M&H; W&S]
Rocky Mountain rush
Juncus brunnescens Rydberg
Juncus parous Rydberg
Juncus saximontanus A. Nelson
Juncus tracyi Rydberg

filiformis Linnaeus [M&H] Note: Brooks & Clemants (2000) report the distribution of this taxon to the north and not in NM; perhaps merits verification.
thread rush

hallii Engelmann [McGrath 1999]
Hall's rush

interior Wiegand var. *arizonicus* (Wiegand) F. J. Herm. = Juncus interior Wiegand

interior Wiegand [Brooks & Clemants 2000; M&H; W&S]
inland rush
Juncus arizonicus Wiegand
Juncus interior Wiegand var. *arizonicus* (Wiegand) F. J. Herm.
Juncus interior Wiegand var. *neomexicanus* (Wiegand) F.J. Hermann
Juncus neomexicanus Wiegand

interior Wiegand var. *neomexicanus* (Wiegand) F.J. Hermann = Juncus interior Wiegand

longistylis Torrey [Brooks & Clemants 2000;M&H; W&S]
long-style rush

longistylis Torrey var. scabratus F.J. Hermann [=Juncus macrophyllus Coville] : Reported as expected by M&H but not by Brooks & Clemants (2000); awaits verification.

macer S.F. Gray = Juncus tenuis Willdenow

marginatus Rostkovius [M&H]
grass-leaf rush
Juncus marginatus Rostkovius var. *setosus* Coville
Juncus setosus (Coville) Small

marginatus Rostkovius var. *setosus* Coville = Juncus marginatus Rostkovius

mertensianus Bongard [Brooks & Clemants 2000; M&H; W&S]
Mertens's rush
mexicanus Willdenow ex J.A. & J.H. Schultes = Juncus arcticus Willdenow var. mexicanus (Willdenow ex J.A. & J.H. Schultes) Balslev
neomexicanus Wiegand = Juncus interior Wiegand
nevadensis S. Watson [Brooks & Clemants 2000; M&H; W&S]
Nevada rush
Juncus badius Suksdorf
Juncus nevadensis S. Watson var. *badius* (Suksdorf) C.L. Hitchcock
Juncus truncatus Rydberg
nevadensis S. Watson var. *badius* (Suksdorf) C.L. Hitchcock = Juncus nevadensis S. Watson
nodosus Linnaeus [Brooks & Clemants 2000; M&H; W&S]
joint-stem rush
nodosus Linnaeus var. *megacephalus* Torrey = Juncus torreyi Coville
parous Rydberg = Juncus ensifolius Wikström var. montanus (Engelmann) C.L. Hitchcock
parviflorus Ehrhart = Luzula parviflora (Ehrhart) Desvaux
saximontanus A. Nelson = Juncus ensifolius Wikström var. montanus (Engelmann) C.L. Hitchcock
setosus (Coville) Small = Juncus marginatus Rostkovius
spicatus Linnaeus = Luzula spicata (Linnaeus) A.P. de Candolle
tenuis Willdenow var. *dudleyi* (Wiegand) F.J. Hermann = Juncus dudleyi Wiegand
tenuis Willdenow [Brooks & Clemants 2000; M&H; W&S]
poverty rush
Juncus macer S.F. Gray
torreyi Coville [Brooks & Clemants 2000; M&H; W&S]
Torrey's rush
Juncus nodosus Linnaeus var. *megacephalus* Torrey
tracyi Rydberg = Juncus ensifolius Wikström var. montanus (Engelmann) C.L. Hitchcock
triglumis Linnaeus var. ***albescens*** Lange [Brooks & Clemants 2000; M&H; W&S]
northern white rush
Juncus albescens (Lange) Fernald
truncatus Rydberg = Juncus nevadensis S. Watson
xiphioides E. Meyer [Brooks & Clemants 2000; M&H]
iris-leaf rush

Luzula wood-rush
Correll, D.S. & H.B. Correll. 1972. Aquatic and Wetland Plants of Southwestern United States. Stanford Univ. Press. [*Luzula multiflora*]
Swab, J.C. 2000. *Luzula*, p. 255-267. IN: Flora North America, vol. 22. Oxford Univerisity Press.
comosa E. Meyer [Swab 2000; M&H; W&S]
intermediate wood-rush
Juncoides intermedium (Thuiller) Rydberg
Luzula congesta (Thuiller) Lejeune
Luzula intermedia (Thuiller) A. Nelson
campestris (Linnaeus) A.P. de Candolle var. *multiflora* (Ehrhart) Celak. = Luzula multiflora (Ehrhart) Jejeune
congesta (Thuiller) Lejeune = Luzula comosa E. Meyer
intermedia (Thuiller) A. Nelson = Luzula comosa E. Meyer
multiflora (Ehrhart) Lejeune : Reported by Correll & Correll (1972), but Swab's distribution is far removed from NM.
Luzula campestris (Linnaeus) A.P. de Candolle var. *multiflora* (Ehrhart) Celak.
parviflora (Ehrhart) Desvaux [Swab 2000; M&H; W&S]
small-flower wood-rush
Juncoides parviflorum (Ehrhart) Coville
Juncus parviflorus Ehrhart
spicata (Linnaeus) A.P. de Candolle [Swab 2000; M&H; W&S]
spike wood-rush
Juncoides spicatum (Linnaeus) Kuntze
Juncus spicatus Linnaeus

Family JUNCAGINACEAE

Triglochin arrow-grass
Löve, A. & D. Löve. 1958. Biosystematics of *Triglochin maritumum* agg. Naturaliste Canad. 85:156-165.
concinna Davy var. *debilis* (Jones) J.T. Howard = Triglochin maritimum Linnaeus
maritimum Linnaeus [M&H; W&S]
seaside arrow-grass
Triglochin concinna Davy var. *debilis* (Jones) J.T. Howard
palustre Linnaeus [M&H; W&S]
marsh arrow-grass

Family LEMNACEAE

Daubs, E.H. 1965. A monograph of Lemnaceae. Illinois Biol. Monogr. 34:1-118.
Landolt, E. 2000. Lemnaceae, p. 143-153. IN: Flora North America, vol. 22. Oxford University Press.

Lemna duckweed

Correll, D.S. & H.B. Correll. 1972. Aquatic and Wetland Plants of Southwestern United States. Stanford Univ. Press. [*Lemna obscura*]

DeLange, L. & A.H. Pieterse. 1973. A comparative study of the morphology of *Lemna gibba* L. and *Lemna minor* L. Acta Bot. Neerl. 22:510-517.

McGrath, J. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Lemna turionifera*]

Reveal, J.L. 1990. The neotypification of *Lemna minuta* Humboldt, Bonpland & Kunth, an earlier name for *Lemna minuscula* Herter (Lemnaceae). Taxon 39:328-330.

aequinoctialis Welwitsch [Landolt 2000; M&H]
lesser duckweed
Lemna perpusilla Torrey var. *trinervis* Aust.

gibba Linnaeus [Landolt 2000; M&H]
inflated duckweed

minima Philippi = Lemna minuta Humboldt, Bonpland, & Kunth

minor Linnaeus [Landolt 2000; M&H; W&S]
common duckweed

minuta Kunth [Landolt 2000; M&H; W&S]
least duckweed
Lemna minima Philippi

obscura (Austin) Daubs [Correll & Correll 1972]
obscure duckweed

perpusilla Torrey var. *trinervis* Aust. = Lemna aequinoctialis Welwitsch

polyrhiza Linnaeus = Spirodela polyrhiza (Linnaeus) Schleiden

trisulca Linnaeus [Landolt 2000; M&H; W&S]
ivy-leaf duckweed

turionifera Landolt [Landolt 2000; McGrath 2000]
turion duckweed

valdiviana Philippi [Landolt 2000]
pale duckweed

Spirodela duckmeat

polyrhiza (Linnaeus) Schleiden [M&H; W&S]
common duckmeat
Lemna polyrhiza Linnaeus

Family LILIACEAE

[Alliaceae, Asphodelaceae, Calochortaceae, Convallariaceae, Melanthiaceae]

Meerow, A.W., M.F. Fay, C.L. Guyk, Q.-B. Li, F.Q. Zaman, & M.W. Chase. 1999. Systematics of Amaryllidaceae based on cladistic analysis of plastid rbcL and trnL-F sequence data. Amer. J. Bot. 86(9):1325-1345.

Utech, F.H. 2002. Liliaceae, pp. 50-347. IN: Flora of North America, vol. 26. Oxford University Press, New York.

Allium onion

McNeal, D.W. Jr. & T.D. Jacobsen. 2002. *Allium*, pp. 224-276. IN: Flora of North America, vol. 26. Oxford University Press, New York.

Sivinski, R.C. 1998. Annotated checklist of the genus *Allium* (Liliaceae) in New Mexico. New Mexico Naturalist's Notes 1(1):43-56.

Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Allium acuminatum*]

acuminatum Hooker [McNeal & Jacobsen 2002; Sivinski 1998; Spellenberg et al. 1986]
taper-tip onion

bigelovii S. Watson [M&H; McNeal & Jacobsen 2002; Sivinski 1998; W&S]
Bigelow's onion

bisceptrum S. Watson [M&H; McNeal & Jacobsen 2002; Sivinski 1998; W&S]
aspen onion
Allium bisceptrum S. Watson var. *palmeri* (S. Watson) Cronquist
Allium palmeri S. Watson

bisceptrum S. Watson var. *palmeri* (S. Watson) Cronquist = Allium bisceptrum S. Watson

brevistylum S. Watson : Reported by M&H and McNeal & Jacobsen (2002), but these reports are in error (Sivinski 1998; Sivinski pers. comm.).

cernuum Roth [M&H; McNeal & Jacobsen 2002; Sivinski 1998; W&S]
nodding onion
Allium cernuum Roth var. *neomexicanum* (Rydberg) MacBride
Allium cernuum Roth var. *obtusum* Cockerell ex MacBride
Allium neomexicanum Rydberg
Allium recurvatum Rydberg

cernuum Roth var. *neomexicanum* (Rydberg) Macbride = Allium cernuum Roth

cernuum Roth var. *obtusum* Cockerell ex MacBride = Allium cernuum Roth

deserticola (M.E. Jones) Wooton & Standley = Allium macropetalum Rydberg

drummondii Regel [M&H; McNeal & Jacobsen 2002; Sivinski 1998; W&S]
Drummond's onion
Allium helleri Small
Allium nuttallii S. Watson

funiculosum A. Nelson = Allium geyeri S. Watson var. geyeri

geyeri S. Watson var. ***geyeri*** [M&H; McNeal & Jacobsen 2002; Sivinski 1998; W&S]
Geyer's onion
Allium funiculosum A. Nelson
geyeri S. Watson var. ***tenerum*** M.E. Jones [M&H; McNeal & Jacobsen 2002; Sivinski 1998; W&S]
Geyer's onion
Allium rubrum Osterhout
Allium sabulicola Osterhout
glandulosum sensu M&H, not Link & Otto = Allium rhizomatum Wooton & Standley
gooddingii M. Ownbey [M&H; McNeal & Jacobsen 2002; Sivinski 1998]
Goodding's onion
helleri Small = Allium drummondii Regel
kunthii G. Don [M&H; McNeal & Jacobsen 2002; Sivinski 1998; W&S]
Kunth's onion
Allium scaposum Bentham
macropetalum Rydberg [M&H; McNeal & Jacobsen 2002; Sivinski 1998; W&S]
Arizona onion
Allium deserticola (M.E. Jones) Wooton & Standley
neomexicanum Rydberg = Allium cernuum Roth
nuttallii S. Watson = Allium drummondii Regel
palmeri S. Watson = Allium bisceptrum S. Watson
perdulce Fraser var. ***perdulce*** [M&H; McNeal & Jacobsen 2002; Sivinski 1998]
plains onion
recurvatum Rydberg = Allium cernuum Roth
reticulatum Fraser = Allium textile A. Nelson & Macbride
rhizomatum Wooton & Standley [M&H; McNeal & Jacobsen 2002; Sivinski 1998; W&S]
New Mexico onion
Allium glandulosum sensu M&H, not Link & Otto
rubrum Osterhout = Allium geyeri S. Watson var. tenerum M.E. Jones
sabulicola Osterhout = Allium geyeri S. Watson var. tenerum M.E. Jones
scaposum Bentham = Allium kunthii G. Don
textile A. Nelson & Macbride [M&H; McNeal & Jacobsen 2002; Sivinski 1998]
white wild onion
Allium reticulatum Fraser

Androstephium funnel-lily
Pires, J.C. & J.L. Reveal. 2002. *Androstephium*, pp. 333. IN: Flora of North America, vol. 26. Oxford University Press, New York.
breviflorum S. Watson [M&H; Pires & Reveal 2002]
pink funnel-lily

Anthericum serotinum Linnaeus = Lloydia serotina (Linnaeus) Sweet
torreyi Baker = Echeandia flavescens (J.A. & J.H. Schultes) Cruden
Anticlea elegans (Pursh) Rydberg = Zigadenus elegans Pursh
porrifolia (Greene) Rydberg = Zigadenus virescens (Humboldt, Bonpland, & Kunth) Macbride

Asparagus asparagus
Straley, G.B. 2002. *Asparagus*, pp. 213-214. IN: Flora of North America, vol. 26. Oxford University Press, New York.
****officinalis*** Linnaeus [M&H; Straley 2002; W&S]
asparagus

Asphodelus onionweed
Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Asphodelus fistulosus*]
Straley, G.B. & F.H. Utech. 2002. *Asphodelus*, pp. 218-219. IN: Flora of North America, vol. 26. Oxford University Press, New York.
****fistulosus*** Linnaeus [Spellenberg et al. 1986; Straley & Utech 2002]
onionweed

Atamosco longifolia (Hemsley) Cockerell = Zephyranthes longifolia Hemsley

Calochortus mariposa-lily
Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Calochortus flexuosus*]
Fiedler, P.L. & R.K. Zebell. 2002. *Calochortus*, pp. 119-141. IN: Flora of North America, vol. 26. Oxford University Press, New York.
Ownbey, M. 1940. A monograph of the genus *Calochortus*. Ann. Missouri Bot. Gard. 27:371-553.
Ownbey, M. 1969. *Calochortus*. Univ. Wash. Publ. Biol. 17(1):765-779.
ambiguus (M..E. Jones) M. Ownbey [Fiedler & Zebell 2002; M&H]
doubting Mariposa-lily
aureus S. Watson [Fiedler & Zebell 2002; M&H; W&S]
golden Mariposa-lily
Calochortus nuttallii Torrey & Gray var. *aureus* (S. Watson) M. Ownbey
flexuosus S. Watson [Allred 1999; Fiedler & Zebell 2002]
winding Mariposa-lily
gunnisonii S. Watson var. ***gunnisonii*** [Fiedler & Zebell 2002; M&H; W&S]
Gunnison's Mariposa-lily
+*gunnisonii* S. Watson var. ***perpulcher*** Cockerell [Fiedler & Zebell 2002; M&H; Ownby 1940]

Gunnison's Mariposa-lily

nuttallii Torrey & Gray var. *aureus* (S. Watson) M. Ownbey = Calochortus aureus S. Watson

nuttallii Torrey & Gray [Fiedler & Zebell 2002; M&H; W&S]

Nuttall's Mariposa-lily

Cooperia drummondii Herbert = Zephyranthes chlorosolen (Herbert) D. Dietrich

Dasylirion = see Nolinaceae

Dichelostemma bluedicks

Pires, J.C. 2002. *Dichelostemma*, pp. 328-331. IN: Flora of North America, vol. 26. Oxford University Press, New York.

Ry, B. 1996. Development of ovule, embryo sac, and endosperm in *Dipterostemon* and *Dichelostemma* (Alliaceae) relative to taxonomy. Amer. J. Bot. 83(6):790-801.

capitatum (Bentham) Wood subsp. capitatum : Reported by Kartesz (1999) without documentation; awaits verification.

capitatum (Bentham) Wood subsp. ***pauciflorum*** (Torrey) G. Keator [M&H; Pires 2002; W&S]

bluedicks

Dichelostemma pauciflorum (Torrey) Standley

Dichelostemma pulchellum (Salisbury) Heller var. *pauciflorum* (Torrey) Hoover

Dipterostemon pauciflorus (Torrey) Rydberg

pauciflorum (Torrey) Standley = Dichelostemma capitatum (Bentham) Wood subsp. pauciflorum (Torrey) G. Keator

pulchellum (Salisbury) Heller var. *pauciflorum* (Torrey) Hoover = Dichelostemma capitatum (Bentham) Wood subsp. pauciflorum (Torrey) G. Keator

Dipterostemon pauciflorus (Torrey) Rydberg = Dichelostemma capitatum (Bentham) Wood subsp. pauciflorum (Torrey) G. Keator

Disporum trachycarpum (S. Watson) Bentham & Hooker f. = Prosartes trachycarpum S. Watson

Echeandia crag-lily

Cruden, R.W. 2002. *Echeandia*, pp. 215-216. IN: Flora of North America, vol. 26. Oxford University Press, New York.

flavescens (J.A. & J.H. Schultes) Cruden [Cruden 2002; M&H; W&S]

Torrey's crag-lily

Anthericum torreyi Baker

Erythronium avalanche-lily

Allen, G.A. & K.R. Robertson. 2002. *Erythronium*, pp. 153-164. IN: Flora of North America, vol. 26. Oxford University Press, New York.

Applegate, E.I. 1935. The genus *Erythronium*: A taxonomic and distributional study of the western North American species. Madroño 3:58-113.

Todsen, T.K. 1996. New plant distribution records. The New Mexico Botanist 2:6. [*Erythronium grandiflorum*]

grandiflorum Pursh subsp. ***grandiflorum*** [Allen & Robertson 2002; Todsen 1996]

yellow avalanche-lily

Fritillaria mission-bells

Beetle, D.E. 1944. A monograph of the North American species of *Fritillaria*. Madroño 7:133-159.

Ness, B. 2002. *Fritillaria*, pp. 164-171. IN: Flora of North America, vol. 26. Oxford University Press, New York.

atropurpurea Nuttall [M&H; Ness 2002; W&S] Note: Known only from an 1892 collection from the Corrizo (Chuska) Mountains.

spotted mission-bells

pudica (Pursh) Sprengel : Reported by Abrams (1940-1960) for NM, but this not substantiated by any other source or specimen; awaits verification.

Hypoxis star-grass

Herndon, A. 1992. Nomenclatural notes on North American *Hypoxis* (Hypoxidaceae). Rhodora 94:43-47.

Holmes, W.C.. 2002. *Hypoxis*, pp. 201-204. IN: Flora of North America, vol. 26. Oxford University Press, New York.

Sivinski, R., T. Lowrey, & C. Keller. 1995[1996]. Additions to the floras of Colorado and New Mexico. Phytologia 79(5):319-324.

hirsuta (Linnaeus) Coville [Sivinski et al. 1995]

yellow star-grass

Leucocrinum star-lily

Reveal, J.L. & F.H. Utech. 2002. *Leucocrinum*, pp. 217-218. IN: Flora of North America, vol. 26. Oxford University Press, New York.

montanum Nuttall ex Gray [M&H; Reveal & Utech 2002; W&S]

star-lily

Lilium wood-lily

Skinner, M.W. 2002. *Lilium*, pp. 172-197. IN: Flora of North America, vol. 26. Oxford University Press, New York.

philadelphicum Linnaeus [M&H; Skinner 2002; W&S]

wood-lily

Lilium montanum A. Nelson

Lilium philadelphicum Linnaeus var. *andinum* (Nuttall) Ker-Gawler

Lilium umbellatum Pursh

montanum A. Nelson = Lilium philadelphicum Linnaeus

philadelphicum Linnaeus var. *andinum* (Nuttall) Ker-Gawler = Lilium philadelphicum Linnaeus

umbellatum Pursh = Lilium philadelphicum Linnaeus

Lloydia alp-lily

Reveal, J.L. & F.H. Utech. 2002. *Lloydia*, pp. 198. IN: Flora of North America, vol. 26. Oxford University Press, New York.

serotina (Linnaeus) Salisbury ex Reichenbach var. ***serotina*** [M&H; Reveal & Utech 2002; W&S]

alp-lily

Anthericum serotinum Linnaeus

Maianthemum false Solomon's-seal

Galway, D.H. 1945. The North American species of *Smilacina*. Amer. Midl. Naturalist 33:644-666.

LaFrankie, J.V., Jr. 1986. Transfer of the species of *Smilacina* to *Maianthemum* (Liliacaea). Taxon 35:584-589.

LaFrankie, J.V.. 2002. *Maianthemum*, pp. 206-210. IN: Flora of North America, vol. 26. Oxford University Press, New York.

racemosum (Linnaeus) Link subsp. ***amplexicaule*** (Nuttall) LaFrankie [LaFrankie 2002; M&H; W&S]

false Solomon's-seal
Maianthemum racemosum (Linnaeus) Link var. *amplexicaule* (Nuttall) Dorn
Smilacina racemosa (Linnaeus) Desfontaines var. *amplexicaulis* (Nuttall) S. Watson
Vagnera amplexiaulis (Nuttall) Greene
racemosum (Linnaeus) Link var. *amplexicaule* (Nuttall) Dorn = Maianthemum racemosum (Linnaeus) Link subsp. amplexicaule (Nuttall) LaFrankie
racemosum (Linnaues) Link s.s. : Not known from NM; our material referrable to subsp. amplexicaule (Nuttall) LaFrankie.
Smilacina racemosa (Linnaeus) Desfontaines var. *racemosa*
stellatum (Linnaeus) Link [LaFrankie 2002; M&H; W&S]
starry false Solomon's-seal
Smilacina stellata (Linnaeus) Desfontaines
Vagnera stellata (Linnaeus) Morong

Milla Mexican-star
McNeal, D.W., Jr. 2002. *Milla*, pp. 346-347. IN: Flora of North America, vol. 26. Oxford University Press, New York.
biflora Cavanilles [M&H; McNeal 2002; W&S]
Mexican-star

Muscari grape-hyacinth
Straley, G.B. & F.H. Utech. 2002. *Muscari*, pp. 316-318. IN: Flora of North America, vol. 26. Oxford University Press, New York.
****neglectum*** Gussone ex Tenore [M&H; Straley & Utech 2002]
grape-hyacinth
Muscari racemosum (Linnaeus) Miller
racemosum (Linnaeus) Miller = Muscari neglectum Gussone ex Tenore

Nolina = see Nolinaceae

Nothoscordum false-garlic
Jacobsen, T.D. & D.W. McNeal, Jr. 2002. *Nothoscordum*, pp. 276-278. IN: Flora of North America, vol. 26. Oxford University Press, New York.
bivalve (Linnaeus) Britton [Jacobsen & McNeal 2002; M&H]
crow-poison
Nothoscordum texanum M.E. Jones
texanum M.E. Jones = Nothoscordum bivalve (Linnaeus) Britton

Polygonatum Solomon's-seal
Ownbey, R.P. 1944. The liliaceous genus *Polygonatum* in North America. Ann. Missouri Bot. Gard. 31:373-413.
Utech, F.H. 2002. *Polygonatum*, pp. 210-212. IN: Flora of North America, vol. 26. Oxford University Press, New York.
biflorum (Walter) Elliott [M&H; Utech 2002]
Solomon's-seal
Polygonatum biflorum (Walter) Elliott var. *commutatum* (J.A. & J.H. Schultes) Morong
Polygonatum cobrense (Wooton & Standley) Gates
Polygonatum commutatum (Roemer & Schultes) Dietrich
Salomonia cobrensis Wooton & Standley
biflorum (Walter) Elliott var. *commutatum* (J.A. & J.H. Schultes) Morong = Polygonatum biflorum (Walter) Elliott
cobrense (Wooton & Standley) Gates = Polygonatum biflorum (Walter) Elliott
commutatum (Roemer & Schultes) Dietrich = Polygonatum biflorum (Walter) Elliott

Prosartes fairybells
Jones, Q. 1951. A cytotaxonomic study of the genus *Disporum* in North America. Contr. Gray Herb. 173:1-39.
Utech, F.H. 2002. *Prosartes*, pp. 142-145. IN: Flora of North America, vol. 26. Oxford University Press, New York.
trachycarpum S. Watson [M&H; Utech 2002; W&S]
fairybells
Disporum trachycarpum (S. Wateon) Bentham & Hooker f.

Salomonia cobrensis Wooton & Standley = Polygonatum cobrense (Wooton & Standley) Gates

Schoenocaulon feather-shank
Frame, D.. 2002. *Schoenocaulon*, pp. 79-81. IN: Flora of North America, vol. 26. Oxford University Press, New York.
texanum Scheele [Frame 2002; M&H]
Texas feather-shank

Smilacina racemosa (Linnaeus) Desfontaines var. *amplexicaulis* (Nuttall) S. Watson = Maianthemum racemosum (Linnaeus) Link subsp. amplexicaule (Nuttall) LaFrankie
racemosa (Linnaeus) Desfontaines var. *racemosa* = Maianthemum racemosum (Linnaeus) Link subsp. racemosum
stellata (Linnaeus) Desfontaines = Maianthemum stellatum (Linnaeus) Link

Streptopus twisted-stalk
Fassett, N.C. 1935. A study of *Streptopus*. Rhodora 37:88-113.
Utech, F.H. 2002. *Streptopus*, pp. 145-147. IN: Flora of North America, vol. 26. Oxford University Press, New York.
amplexifolius (Linnaeus) A.P. de Candolle [M&H; Utech 2002; W&S]
twisted-stalk
Streptopus amplexifolius (Linnaeus) A.P. de Candolle var *americanus* J.A. Schultes
Streptopus amplexifolius (Linnaeus) A.P. de Candolle var. *chalazatus* Fassett
amplexifolius (Linnaeus) A.P. de Candolle var *americanus* J.A. Schultes = Streptopus amplexifolius (Linnaeus) A.P. de Candolle
amplexifolius (Linnaeus) A.P. de Candolle var. *chalazatus* Fassett = Streptopus amplexifolius (Linnaeus) A.P. de Candolle

Toxicoscordion falcatus Rydberg = Zigadenus venenosus S. Watson var. gramineus (Rydberg) Walsh ex M.E. Peck
gramineum Rydberg = Zigadenus venenosus S. Watson var. gramineus (Rydberg) Walsh ex M.E. Peck
paniculatum (Nuttall) Rydberg = Zigadenus paniculatus (Nuttall) S. Watson

Vagnera amplexiaulis (Nuttall) Greene = Maianthemum racemosum (Linnaeus) Link subsp. amplexicaule (Nuttall) LaFrankie
stellata (Linnaeus) Morong = Maianthemum stellatum (Linnaeus) Link

Veratrum skunk-cabbage

McNeal, D.W. Jr. & A.D. Shaw. 2002. *Veratrum*, pp. 72-76. IN: Flora of North America, vol. 26. Oxford University Press, New York.

californicum Durand var. ***californicum*** [M&H; McNeal & Shaw 2002; W&S]
western skunk-cabbage
Veratrum speciosum Rydberg

speciosum Rydberg = Veratrum californicum Durand

Yucca = see Agavaceae

Zephyranthes zephyr-lily

Flagg, R.O., G.L. Smith, & W.S. Flory. 2002. *Zephyranthes*, pp. 296-303. IN: Flora of North America, vol. 26. Oxford University Press, New York.
Spellenberg, R., M. Mahrt & R. Brozka. 1991. Noteworthy collections, New Mexico. Madroño 38:298-301. [*Zephyranthes chlorosolen*]

chlorosolen (Herbert) D. Dietrich [Spellenberg et al. 1991]
Drummond's rain-lily
Cooperia drummondii Herbert
Zephyranthes brazosensis Traub

brazosensis Traub = Zephyranthes chlorosolen (Herbert) D. Dietrich

longifolia Hemsley [Flagg et al. 2002; M&H]
zephyr-lily
Atamosco longifolia (Hemsley) Cockerell

Zigadenus deathcamas

Hess, W.J. & R.C. Sivinski. 1995. A new species of *Zigadenus* (Liliaceae) from New Mexico, with additional comments on the section *Anticlea*. Sida 16(3):389-400. [*Zigadenus mogollonensis*]
Schwartz, F.C. 2002. *Zigadenus*, pp. 81-88. IN: Flora of North America, vol. 26. Oxford University Press, New York.
Zomlefer, W.B. 2003. Documented chromosome numbers 2003: 1. Chromosome number of *Toxicoscordion nuttallii* (Liliaceae: Melanthiaceae) and clarification of the genus. Sida 20(3):1085-1092.

coloradoensis Rydberg = Zigadenus elegans Pursh
dilatatus Greene = Zigadenus elegans Pursh

elegans Pursh [M&H; Schwartz 2002; W&S]
mountain deathcamas
Anticlea elegans (Pursh) Rydberg
Zigadenus coloradoensis Rydberg
Zigadenus dilatatus Greene

falcatus Rydberg = Zigadenus venenosus S. Watson var. gramineus (Rydberg) Walsh ex M.E. Peck
gramineus Rydberg = Zigadenus venenosus S. Watson var. gramineus (Rydberg) Walsh ex M.E. Peck
intermedius Rydberg = Zigadenus venenosus S. Watson var. gramineus (Rydberg) Walsh ex M.E. Peck

+mogollonensis Hess & Sivinski [Hess & Sivinski 1995; Schwartz 2002]
Mogollon deathcamas

paniculatus (Nuttall) S. Watson [M&H; Schwartz 2002; W&S]
sand-corn
Toxicoscordion paniculatum (Nuttall) Rydberg

porrifolius Greene = Zigadenus virescens (Humboldt, Bonpland, & Kunth) Macbride

venenosus S. Watson var. ***gramineus*** (Rydberg) Walsh ex M.E. Peck [M&H; W&S]
meadow deathcamas
Toxicoscordion gramineum Rydberg
Zigadenus falcatus Rydberg
Zigadenus gramineus Rydberg
Zigadenus intermedius Rydberg

virescens (Humboldt, Bonpland, & Kunth) Macbride [M&H; Schwartz 2002; W&S]
green deathcamas
Anticlea porrifolia (Greene) Rydberg
Zigadenus porrifolius Greene

Family MELANTHIACEAE = LILIACEAE

Family NAJADACEAE

Caulinia guadalupensis Sprengel = Najas guadalupensis (Sprengel) Magnus
Naias = Najas

Najas water-nymphs

Clausen, R.T. 1936. Studies in the genus *Najas* in the northern United States. Rhodora 38:333-345.

guadalupensis (Sprengel) Magnus [M&H; W&S]
Guadalupe water-nymph
Caulinia guadalupensis Sprengel

marina Linnaeus [M&H]
spiny water-nymph

Potomogeton = see POTOMOGETONACEAE
Ruppia = see RUPPIACEAE
Zannichellia = see ZANNICHELLIACEAE

Family NOLINACEAE

Bogler, D. 1998. Nolinaceae, pp. 392-397. IN: K. Kubitzki (ed.). The Families and Genera of Vascular Plants. Vol. III. Flowering Plants - Monocotyledons, Lilianae (except Orchidaceae). Springer-Verglag, New York.
Bogler, D.J. & B.B. Simpson. 1995. A chloroplast DNA study of the Agavaceae. Syst. Bot. 20(2):191-205.

Dasylirion sotol

Bogler, D.J. 1995. Systematics of *Dasylirion*: Taxonomy and molecular phylogeny. Bol. Soc. Bot. Mexico. 56:69-76.
Bogler, D.J. 2002. *Dasylirion*, pp. 422-423. IN: Flora of North America, vol. 26. Oxford University Press, New York.

leiophyllum Engelmann ex Trelease [Bogler 2002; W&S]
green sotol

wheeleri S. Watson [Bogler 2002; M&H; W&S]
common sotol, desert spoon

Nolina beargrass

Hess, W.J. 2002. *Nolina*, pp. 415-421. IN: Flora of North America, vol. 26. Oxford University Press, New York.

micrantha I.M. Johnston [Hess 2002]
chaparral beargrass

microcarpa S. Watson [Hess 2002; M&H; W&S]
sacahuista, beargrass

texana S. Watson [Hess 2002; M&H]
Texas beargrass

greenei S. Watson [Hess 2002; W&S]
Greene's beargrass

Family ORCHIDACEAE

Arenas, S. & M. Angel. 1988. Updated list of the orchids of Mexico. Orquidea 11:233-276.
Coleman, R.A. 2002. The Wild Orchids of Arizona and New Mexico. Cornell University Press, Ithaca, NY. 248 p.
Correll, D.S. 1950. Native orchids of North America north of Mexico. Chronica Botanica 26:1-399.
Dressler, R.L. 1993. Phylogeny and classification of the orchid family. Dioscorides Press, Portland, Oregon.
Luer, C.A. 1975. The native orchids of the United States and Canada, excluding Florida. New York Botanical Garden.
Todsen, T. 2000. Artificial key to the orchids of New Mexico. The New Mexico Botanist 14:1-2.

Achroanthes porphyrea (Ridley) Wooton & Standley = Malaxis wendtii Salazar

montana (Rothrock) Greene = Malaxis soulei L.O. Williams

Calypso fairy-slipper

Sheviak, C.J. & P.M. Catling. 2002. *Calypso*, pp. 622-623. IN: Flora of North America, vol. 26. Oxford University Press, New York.

americana R. Brown = Calypso bulbosa (Linnaeus) Oakes var. americana (R. Brown) Luer

bulbosa (Linnaeus) Oakes var. ***americana*** (R. Brown ex Aiton f.) Luer [Coleman 2002; M&H; Sheviak & Catling 2002; W&S]
fairy-slipper orchid
Calypso americana R. Brown ex Aiton f.
Cytherea bulbosa of NM authors

Coeloglossum frog-orchid

Sheviak, C.J. & P.M. Catling. 2002. *Coeloglossum*, pp. 580. IN: Flora of North America, vol. 26. Oxford University Press, New York.

bracteatum (Muhlenberg) Parlatore = Coeloglossum viride (Linnaeus) Hartman var. virescens (Muhlenberg ex Willdenow) Luer

viride (Linnaeus) Hartman var. ***virescens*** (Muhlenberg ex Willdenow) Luer [Coleman 2002; M&H; Sheviak & Catling 2002; W&S]
frog-orchid
Coelglossum bracteatum (Muhlenberg) Parlatore
Habenaria bracteata (Muhlenberg) R. Brown
Habenaria viridis (Linnaeus) R. Brown var. *bracteata* (Muhlenberg ex Willdenow) Gray

Corallorhiza coral-root

Freudenstein, J. 1997. A monograph of *Corallorhiza*, Orchidaceae. Harvard Papers in Botany 10:5-51.
Magrath, L.K. & J.V. Freudenstein. 2002. *Corallorhiza*, pp. 633-638. IN: Flora of North America, vol. 26. Oxford University Press, New York.
Todsen, T.K. 1970. *Spiranthes parasitica* and *Corallorhiza wisteriana* (Orchidaceae) new to New Mexico. Southw. Natural. 14(4):447-452.
Todsen, T.K. 1971. Color variation of *Corallorhiza* in New Mexico. Southw. Naturalist 16(1):121-122.

maculata Rafinesque var. ***maculata*** [Freudenstein 1997; M&H; Magrath & Freudenstein 2002; W&S]
spotted coral-root
Corallorhiza multiflora Nuttall

maculata Rafinesque var. ***occidentalis*** (Lindley) Ames [Freudenstein 1997; Magrath & Freudenstein 2002]
spotted coral-root

maculata Rafinesque var. ***mexicana*** (Lindley) Freudenstein [Coleman 2002]
spotted coral-root

odontorhiza (Willdenow) Poiret var. ***odontorhiza*** [Magrath & Freudenstein 2002]
fall coral-root

multiflora Nuttall = Corallorhiza maculata Rafinesque

striata Lindley var. *flavida* Todsen = Corallorhiza striata Lindley var. vreelandii (Rydberg) L.O. Williams

striata Lindley var. ***striata*** [Luer 1975; Magrath & Freudenstein 2002]
hooded coral-root

striata Lindley var. ***vreelandii*** (Rydberg) L.O. Williams [Coleman 2002; Freudenstein 1997; M&H; W&S]
hooded coral-root

Corallorhiza striata Lindley var. *flavida* Todsen
Corallorhiza vreelandii Rydberg

trifida Chatelain [Coleman 2002; Freudenstein 1997; M&H; Magrath & Freudenstein 2002]
yellow coral-root

vreelandii Rydberg = Corallorhiza striata Lindley var. vreelandii (Rydberg) L.O. Williams

wisteriana Conrad [Coleman 2002; Freudenstein 1997; M&H; Magrath & Freudenstein 2002; Todsen 1970]
spring coral-root

Cypripedium ladies-slipper

Sheviak, C.J. 1995. *Cypripedium parvfiflorum* Salisbury, Part 2: The large-flowered plants and patterns of variation. Amer. Orchid Soc. Bull. 64(June):606-612.
Sheviak, D.J. 2002. *Cypripedium*, pp. 499-507. IN: Flora of North America, vol. 26. Oxford University Press, New York.

calceolus Linnaeus var. *pubescens* (Willdenow) Correll = Cypripedium parviflorum Salisbury var. pubescens (Willdenow) Knight

parviflorum Salisbury var. ***pubescens*** (Willdenow) Knight [Coleman 2002; M&H; Sheviak 1995, 2002; W&S]
yellow ladies-slipper
Cypripedium calceolus Linnaeus var. *pubescens* (Willdenow) Correll
Cypripedium pubescens Willdenow
Cypripedium veganum Cockerell

pubescens Willdenow = Cypripedium parviflorum Salisbury var. pubescens (Willdenow) Knight

veganum Cockerell = Cypripedium parviflorum Salisbury var. pubescens (Willdenow) Correll

Cytherea bulbosa of NM authors = Calypso bulbosa (Linnaeus) Oakes var. americana (R. Brown) Luer

Epipactis helleborine

Brown, P.M. & G.W. Argus. 2002. *Epipactis*, pp. 584-586. IN: Flora of North America, vol. 26. Oxford University Press, New York.
Sivinski, R. 1993. Noteworthy collections (New Mexico). Madroño 40:273-274. [*Epipactis helleborine*]

gigantea Douglas ex Hooker [Brown & Argus 2002; Coleman 2002; M&H; W&S]
giant helleborine

****helleborine*** (Linnaeus) Crantz [Brown & Argus 2002; Coleman 2002; Sivinski 1993]
broad-leaved helleborine

Goodyera rattlesnake-plantain

Kallunki, J.A. 2002. *Goodyera*, pp. 514-517. IN: Flora of North America, vol. 26. Oxford University Press, New York.

decipiens (Hooker) F. T. Hubbard = Goodyera oblongifolia Rafinesque

oblongifolia Rafinesque [Coleman 2002; Kallunki 2002; M&H; W&S]
green rattlesnake-plantain
Goodyera decipiens (Hooker) F. T. Hubbard
Peramium decipiens (Hooker) Piper
Peramium menziesii (Lindley) Morong

repens (Linnaeus) R. Brown ex Aiton f. [Coleman 2002; Kallunki 2002; M&H; W&S]
dwarf rattlesnake-plantain
Goodyera repens (Linnaeus) R. Brown ex Aiton f. var. *ophioides* Fernald
Peramium ophioides (Fernald) Rydberg

repens (Linnaeus) R. Brown ex Aiton f. var. *ophioides* Fernald = Goodyera repens (Linnaeus) R. Brown

Habenaria bracteata (Muhlenberg) R. Brown = Coeloglossum viride (Linnaeus) Hartman var. virescens (Muhlenberg ex Willdenow) Luer

brevifolia Greene = Platanthera brevifolia (Greene) Kranzlin

dilatata (Pursh) Hooker = Platanthera dilatata (Pursh) Lindley ex Beck var. dilatata

hyperborea (Linnaeus) R. Brown = Platanthera hyperborea (Linnaeus) Lindley var. hyperborea

limosa (Lindley) Hemsley = Platanthera limosa Lindley

neomexicana Tidestrom =? Platanthera hyperborea (Linnaeus) Lindley var. purpurascens (Rydberg) Luer

saccata Greene (= Platanthera stricta Lindley) : This species does not occur in NM (Luer 1975; Todsen pers. comm.); NM material that has gone by this name is assigned to Platanthera hyperborea (Linnaeus) Lindley var. purpurascens (Rydberg) Luer

sparsiflora S. Watson var. *brevifolia* (Greene) Correll = Platanthera brevifolia (Greene) Kranzlin

sparsiflora S. Watson var. *laxiflora* (Rydberg) Correll = Platanthera hyperborea (Linnaeus) Lindley var. gracilis (Lindley) Luer

sparsiflora S. Watson var. *sparsiflora* = Platanthera sparsiflora (S. Watson) Schlectendal var. sparsiflora

thurberi A. Gray = Platanthera limosa Lindley

viridis (Linnaeus) R. Brown var. *bracteata* (Muhlenberg ex Willdenow) Gray = Coeloglossum viride (Linnaeus) Hartman var. virescens (Muhlenberg ex Willdenow) Luer

Hexalectris crested-coral-root

Burgess, T.L. & D.K. Northington. 1981. Plants of the Guadalupe Mountains and Carlsbad Caverns National Parks. Chihuahuan Desert Research Institute Contr. No. 107:1-174. [*Hexalectris nitida*]
Catling, P.M. & V.S. Engel. 1993. Systematics and distribution of *Hexalectris spicata* var. *arizonica* (Orchidaceae). Lindleyana 8(3):119-125.
Goldman, D.H., R.A. Coleman, L.K. Magrath, & P.M. Catling. 2002. *Hexalectris*, pp. 603-607. IN: Flora of North America, vol. 26. Oxford University Press, New York.
Howell, D.J. 1986. Status report: *Hexalectris nitida* L.O. Wms. in Johnston. Office of Endangered Species, Fish and Wildlife Service, Albuquerque, New Mexico.
Todsen, T.K. 2000. New plant distribution records. The New Mexico Botanist 14:4. [*Hexalectris revoluta*]

nitida L.O. Williams [Burgess & Northington 1981; Coleman 2002; Goldman 2002; Howell 1986]
Glass Mountain crested-coral-root

revoluta Correll [Todsen 2000]
roll-leaf crested-coral-root

spicata (Walter) Barnhart var. ***arizonica*** Catling & Engelmann [Catling & Engel 1993; Coleman 2002; Goldman et al. 2002]
Arizona crested-coral-root

spicata (Walter) Barnhart var ***spicata*** [Coleman 2002; Goldman et al. 2002; Luer 1975; M&H]

spike crested-coral-root

Ibidium cernuum (Linnaeus) House [=Spiranthes cernua (Linnaeus) L.C.M. Richard : Not occurring in NM, but replaced by Spiranthes magnicamporum Sheviak (Luer 1975; Sheviak 1982).

strictum House = Spiranthes romanzoffiana Chamisso

Limnorchis borealis (Chamisso) Rydberg = Platanthera dilatata (Pursh) Lindley ex Beck var. dilatata

brevifolia (Greene) Rydberg = Platanthera brevifolia (Greene) Kranzlin

dilatata Rydberg = Platanthera dilatata (Pursh) Lindley ex Beck var. dilatata

ensifolia Rydberg = Platanthera sparsiflora (S. Watson) Schlechter var. ensifolia (Rydberg) Luer

hyperborea (Linnaeus) Rydberg = Platanthera hyperborea (Linnaeus) Lindley var. hyperborea

laxiflora Rydberg = Platanthera hyperborea (Linnaeus) Lindley var. gracilis (Lindley) Luer

purpurascens (Rydberg) Rides = Platanthera hyperborea (Linnaeus) Lindley var. purpurascens (Rydberg) Luer

sparsiflora (S. Watson) Rydberg = Platanthera sparsiflora (S. Watson) Schlectendal var. sparsiflora

stricta (Lindley) Rydberg [=Platanthera stricta Lindley] : Reported as a synonym in M&H, but not occurring in NM (Luer 1975).

thurberi (Gray) Rydberg = Platanthera limosa Lindley

viridiflora (Chamisso) Rydberg [=Platantera hyperborea (Linnaeus) Lindley var. viridiflora (Chamisso) Luer] : Reported as a synonym in M&H, and attributed to NM by various authors, but not occurring in NM (Luer 1973).

Listera twayblade

Magrath, L.K. & R.A. Coleman. 2002. *Listera*, pp. 586-592. IN: Flora of North America, vol. 26. Oxford University Press, New York.

cordata (Linnaeus) R. Brown var. ***nephrophylla*** (Rydberg) Hultén [Magrath & Coleman 2002; M&H; W&S]
heart-leaf twayblade

Listera nephrophylla Rydberg

Ophrys nephrophylla Rydberg

nephrophylla Rydberg = Listera cordata (Linnaeus) R. Brown var. nephrophylla (Rydberg) Hultén

Malaxis adder's-mouth

Catling, P.M. & L.K. Magrath. 2002. *Malaxis*, pp. 627-632. IN: Flora of North America, vol. 26. Oxford University Press, New York.

Todsen, T.K. 1997. Naming a southwestern *Malaxis* (Orchidaceae). Sida 17(3):637-638.

abieticola Salazar & Arenas [Catling & Magrath 2002; Coleman 2002; Luer 1975; M&H]
Arizona adder's-mouth

Malaxis tenuis (S. Watson) Ames, not Reichenbach f.

corymbosa (S. Watson) Kuntze : Reported as expected by M&H; awaits verification.

ehrenbergii (Reichenbach f.) Kuntze : Not occurring in NM; our material referrable to Malaxis porphyrea (Todsen 1997).

macrostachya (Lexarza) Kuntze : Not occurring in NM; our material referrable to Malaxis soulei L.O. Williams (Todsen, pers. comm.).

porphyrea (Ridley) Kuntze [Coleman 2002; M&H; Todsen 1997; W&S]
Cochise adder's-mouth

Achroanthes porphyrea (Ridley) Wooton & Standley

Microstylis porphyrea Ridley

soulei L.O. Williams [Arenas & Angel 1988; Catling & Magrath 2002; Coleman 2002; M&H; W&S]
Chihuahua adder's-mouth

Achroanthes montana (Rothrock) Greene

tenuis (S. Watson) Ames, not Reichenbach f. = Malaxis abieticola Salazar & Arenas

wendtii Salazar : Reported by Todsen (1995), but identification corrected to Malaxis porphyrea (Ridley) Kuntze (Todsen, pers. comm.).

Microstylis porphyrea Ridley = Malaxis porphyrea (Ridley) Kuntze

Microthelys Mexican ladies-tresses

Coleman, R.A. & M. Baker. 2006. *Microthelys rubrocallosa*, a new addition to the orchid flora of the United States. Orchids, Jan 2006:56-57. [*Microthelys rubrocalosa*]

Jenkins, P. 2005. Plant distribution reports. The New Mexico Botanist 34:7. [*Microthelys rubrocalosa*]

rubrocallosa (B.L. Robinson & Greenman) Garay [Coleman & Baker 2006; Jenkins 2005]
Mexican ladies-tresses

Spiranthes rubrocallosa B.L. Robinson & Greenman

Ophrys nephrophylla Rydberg = Listera cordata (Linnaeus) R. Brown var. nephrophylla (Rydberg) Hultén

Peramium decipiens (Hooker) Piper = Goodyera oblongifolia Rafinesque

menziesii (Lindley) Morong = Goodyera oblongifolia Rafinesque

ophioides (Fernald) Rydberg = Goodyera repens (Linnaeus) R. Brown ex Aiton f.

Piperia rein-orchid

Ackerman, J.C. & R. Morgan. 2002. *Piperia*, pp. 571-577. IN: Flora of North America, vol. 26. Oxford University Press, New York.

Sivinski, R. & K. Lightfoot, eds. 1994. Inventory of rare and endangered plants of New Mexico. New Mexico Forestry and Resources Conservation Division, Misc. Publ. No. 3. [*Piperia unalascensis*]

unalascensis (Sprengel) Rydberg [Ackerman & Morgan 2002; Coleman 2002; Sivinski & Lightfoot 1994]
Alaska rein-orchid

Platanthera bog-orchid

Correll, D.S. & H.B. Correll. 1972. Aquatic and Wetland Plants of Southwestern United States. Stanford Univ. Press. [*Platanthera sparsiflora* var. *laxiflora*]

Luer, C.A. 1975. The native orchids of the United States and Canada, excluding Florida. New York Botanical Garden.

Sheviak, C.J. 1999. The identities of *Platanthera hyperborea* and *P. huronensis*, with the description of a new species North America. Lindleyana 14(4):193-203. [*Platanthera aquilonis*]

Sheviak, C.J. 2002. *Platanthera*, pp. 551-571. IN: Flora of North America, vol. 26. Oxford University Press, New York.

aquilonis Sheviak [Coleman 2002; Sheviak 1999, 2002]
green bog-orchid

Platanthera hyperborea sensu NM works

brevifolia (Greene) Kranzlin [Coleman 2002; M&H; Sheviak 2002; W&S]

short-leaf fringed-orchid
Habenaria brevifolia Greene
Habenaria sparsiflora S. Watson var. *brevifolia* (Greene) Correll
Limnorchis brevifolia (Greene) Rydberg
Platanthera sparsiflora (S. Watson) Schlechter var. *brevifolia* (Greene) Luer

dilatata (Pursh) Lindley ex Beck : Reported by M&H & W&S, but Coleman (2002) and Sheviak (2002) exclude it from NM; material reported as this taxon is most likely referred to Platanthera huronensis Lindley.
Habenaria dilatata (Pursh) Hooker
Limnorchis borealis (Chamisso) Rydberg
Limnorchis dilatata (Pursh) Rydberg

huronensis Lindley [Coleman 2002; Correll & Correll 1972; Luer 1975; Sheviak 2002]
green fringed-orchid
Habenaria sparsiflora S. Watson var. *laxiflora* (Rydberg) Correll
Habenaria laxiflora Rydberg
Platanthera hyperborea (Linnaeus) Lindley var. *gracilis* (Lindley) Luer

hyperborea (Linnaeus) Lindley var. *gracilis* (Lindley) Luer = Platanthera huronensis Lindley

hyperborea sensu NM works = Platanthera aquilonis Sheviak; the true P. hyperborea (Linnaeus) Lindley is an Icelandic plant (Sheviak 1999).
Habenaria hyperborea (Linnaeus) R. Brown
Limnorchis hyperborea (Linnaeus) Rydberg
Orchis hyperborea Linnaeus

hyperborea (Linnaeus) Lindley var. *purpurascens* (Rydberg) Luer = Platanthera purpurascens (Rydberg) Sheviak & Jennings

hyperborea (Linnaeus) Lindley var. viridiflora (Chamisso) Luer : Reported as a synonym in M&H, and attributed to NM by various authors, but not occurring in NM (Luer 1975).

limosa Lindley [Coleman 2002; M&H; Sheviak 2002; W&S]
Thurber's bog-orchid
Habenaria limosa (Lindley) Hemsley
Habenaria thurberi A. Gray
Limnorchis thurberi (Gray) Rydberg

purpurascens (Rydberg) Sheviak & Jennings [Coleman 2002; Luer 1975; Sheviak 2002; W&S]
purple bog-orchid
Habenaria neomexicana Tidestrom Note: Luer (1975) placed this name in synonymy under Platanthera stricta Lindley, which does not occur in NM.; placed here tentatively.
Limnorchis purpurascens (Rydberg) Rides
Platanthera hyperborea (Linnaeus) Lindley var. *purpurascens* (Rydberg) Luer

sparsiflora (S. Watson) Schlechter var. *brevifolia* (Greene) Luer = Platanthera brevifolia (Greene) Kranzlin

sparsiflora (S. Watson) Schlechter var. *ensifolia* (Rydberg) Luer = Platanthera sparsiflora (S. Watson) Schlechter

sparsiflora (S. Watson) Schlechter [Coleman 2002; Luer 1975; M&H; Sheviak 2002; W&S]
canyon bog-orchid
Habenaria sparsiflora S. Watson
Limnorchis ensifolia Rydberg
Limnorchis sparsiflora (S. Watson) Rydberg
Platanthera sparsiflora (S. Watson) Schlechter var. *ensifolia* (Rydberg) Luer

stricta Lindley : Reported as a synonym in M&H, but not occurring in NM; plants known as this are referred to Platanthera purpurascens (Rydberg) Sheviak & Jennings (Coleman 2002; Luer 1975).

Schiedeella Indian-braids

Balogh, P. 1982. Generic redefinition in subtribe Spiranthinae (Orchidaceae). Amer. J. Bot. 69:1119-1132.
Brown, P.M. 2002. *Schiedeella*, pp. 530. IN: Flora of North America, vol. 26. Oxford University Press, New York.
Brown, P.M. & R.A. Coleman. 2000. *Schiedeella arizonica*: A new species from the southwestern United States. North American Native Orchid Journal 6:3-17.
Garay, L.A. 1982. Generic revision of the Spiranthinae. Bot. Mus. Leafl. Harvard Univ. 28:311-313.
Hess, W.J. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Spiranthes parasitica*]
Todsen, T.K. 1970. *Spiranthes parasitica* and *Corallorhiza wisteriana* (Orchidaceae) new to New Mexico. Southw. Natural. 14(4):447-452. [*Schiedeella parasitica*]

arizonica P.M. Brown [Brown 2002; Brown & Coleman 2000; Coleman 2002; Hess 2000; M&H; Todsen 1970]
Indian-braids
Schiedeella parasitica of NM authors
Spiranthes parasitica of NM authors

parasitica of NM authors = Schiedeella arizonica P.M Brown

Spiranthes ladies-tresses

Balogh, P. 1982. Generic redefinition in subtribe Spiranthinae (Orchidaceae). Amer. J. Bot. 69:1119-1132.
Garay, L.A. 1982. Generic revision of the Spiranthinae. Bot. Mus. Leafl. Harvard Univ. 28:311-313.
Sheviak, C.J. & P.M. Brown. 2002. *Spiranthes*, pp. 530-545. IN: Flora of North America, vol. 26. Oxford University Press, New York.
Sivinski, R. & K. Lightfoot, eds. 1994. Inventory of rare and endangered plants of New Mexico. New Mexico Forestry and Resources Conservation Division, Misc. Publ. No. 3. [*Spiranthes magnicamporum*]

cernua (Linnaeus) L.C.M. Richard s.s. : Reported by M&H, but not known in NM; replaced by Spiranthes magnicamporum Sheviak (Coleman 2002; Luer 1975; Sheviak 1982).

magnicamporum Sheviak [Coleman 2002; Luer 1975; Sheviak & Brown 2002; Sivinski & Lightfoot 1994]
Great Plains ladies-tresses
Spiranthes cernua of NM works

michuacana (La Llave & Lexarza) Hemsley : Reported as expected by M&H; awaits verification.

parasitica of NM authors = Schiedeella arizonica P.M Brown

romanzoffiana Chamisso [Coleman 2002; M&H; Sheviak & Brown 2002; W&S]

hooded ladies-tresses

Ibidium strictum House

rubrocallosa B.L. Robinson & Greenman = Microthelys rubrocalosa (B.L. Robinson & Greenman) Garay

vernalis Engelmann & Gray : Reported as expected by M&H; awaits verification.

Family POACEAE (GRAMINEAE)

Allred, K.W. 1990. New Mexico grass types and a selected bibliography of New Mexico grass taxonomy. Great Basin Natural. 50(1):73-82.

Allred, K.W. 2005. A Field Guide to the Grasses of New Mexico, 3rd ed. Agric. Exp. Sta. New Mexico State University. 388 pp.

Allred, K.W., S.L. Hatch, & R. Soreng. 1986. Verified checklist of the grasses of New Mexico. New Mexico Agr. Exp. Sta. Res. Rep. 579. 45 pp.

Clayton, W.E. & S.A. Revnoize. 1986. Genera Graminum. Kew Bull. Additional Series No. 13.

Estes, J.R. & R.J. Tyrl. 1982. The generic concept and generic circumscription in the Triticeae: an end paper. IN J.R. Estes, R.J. Tyrl, & J.N. Brunken (eds.), Grasses and Grasslands. p. 145-164. Univ. Oklahoma Press. Norman, Oklahoma.

Hitchcock, A.S. & A. Chase. 1951. Manual of the Grasses of the United States. 2nd ed. USDA Misc. Publ. 200. 1051 p.

Holmgren, A.H. & N.H. Holmgren. 1977. Tribe 3. Triticeae, pp. 292-336. IN: Intermountain Flora, vol. 6. New York Botanical Garden.

Peterson, P.M., R.D. Webster, & J. Valdes-Reyna. 1997. Genera of New World Eragrostideae (Poaceae: Chloridoideae). Smithsonian Contr. Bot. 87.

Tucker, G.C. 1990. The genera of Arundinoideae (Gramineae) in the southeastern United States. J. Arnott Arbor. 71:145-177.

Watson, L. & M.J. Dallwitz. 1992. The grass genera of the world. CAB International, Wallingford, United Kingdom, 1038 pp.

Wooton, E.O. & P.C. Standley. 1912. The grasses and grasslike plants of New Mexico. New Mex. Agr. Exp. Sta. Bull. No. 81. 175 pp.

Acamptoclados sessilispicus (Buckley) Nash = Eragrostis sessilispica Buckley

Achnatherum needlegrass

Allred, K.W. & K. Heil. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Stipa arida*, *Stipa speciosa*]

Barkworth, M.E. 1993. North American Stipeae (Gramineae): Taxonomic changes and other comments. Phytologia 74(1):1-25.

Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233. [*Achnatherum nelsonii nelsonii*]

Hatch, S.L. & D.A. Bearden. 1983. *Stipa curvifolia* (Poaceae) -- Studies on a rare taxon. Sida 10(2):184-187.

Johnson, B.L. 1945. Natural hybrids between *Oryzopsis hymenoides* and several species of *Stipa*. Amer. J. Bot. 32:599-608.

aridum (Jones) Barkworth [Allred & Heil 2000]

Mormon needlegrass

Stipa arida Jones

Stipa mormonum Mez

×***bloomeri*** (Bolander) Barkworth [Allred 2005]

Bloomer's ricegrass

Oryzopsis bloomeri (Bolander) Ricker

Stipa bloomeri Bolander

×*Stiporyzopsis bloomeri* (Bolander) B.L. Johnson

curvifolium (Swallen) Barkworth [Allred 2005; M&H]

Guadalupe needlegrass

Stipa curvifolia Swallen

eminens (Cavanilles) Barkworth [Allred 2005; M&H; W&S]

southwestern needlegrass

Stipa eminens Cavanilles

hymenoides (Roemer & J.A. Schultes) Barkworth [Allred 2005; M&H; W&S]

Indian ricegrass

Eriocoma cuspidata Nuttall

Oryzopsis hymenoides (Roemer & Schultes) Ricker ex Piper

Stipa hymenoides Roemer & Schultes

lettermanii (Swallen) Barkworth [Allred 2005; M&H; W&S]

Letterman's needlegrass

Stipa lettermanii Vasey

lobatum (Swallen) Barkworth [Allred 2005; M&H]

little-awn needlegrass

Stipa lobata Swallen

nelsonii Scribner var. ***nelsonii*** [Hartman et al. 2006]

Nelson's needlegrass

perplexum Hoge & Barkworth [Allred 2005; M&H; W&S] Note: Replaces Stipa nelsonii Scribner subsp. dorei Barkworth & Maze in NM.

New Mexico needlegrass

Stipa columbiana of NM reports

Stipa minor sensu NM authors

Stipa perplexa (Hoge & Barkworth) J. Wipff & S.D. Jones

pinetorum (M.E. Jones) Barkworth : Reported for NM by Kartesz (1999) without documentation; awaits verification.

robustum (Vasey) Barkworth [Allred 2005; M&H; W&S]

sleepygrass

Stipa robusta (Vasey) Scribner

Stipa vaseyi Scribner

scribneri (Vasey) Barkworth [Allred 2005; M&H; W&S]

Scribner's needlegrass

Stipa scribneri Vasey

speciosum (Trinius & Ruprecht) Barkworth = Jarava speciosa (Trinius & Ruprecht) Peñailillo

Aegilops goatgrass

Gupta, P.K. & B.R. Baum. 1986. Nomenclature and related taxonomic issues in wheats, triticales and some of their wild relatives. Taxon 35(1):144-149.

cylindrica Host [Allred 2005; M&H]

jointed goatgrass

Triticum cylindricum (Host) Cesati

×*Agropogon littoralis* (Small) C.E. Hubbard = Polypogon interruptus Kunth

Agropyron wheatgrass

Asay, K.H., K.B. Jensen, C. Hsiao, & D.R. Dewey. 1992. Probable origin of standard crested wheatgrass, *Agropyron desertorum* (Fischer ex Link) Schultes. Can. J. Plant Sci. 72:763-772.

Baum, B.R., J.R. Estes, & P.K. Gupta. 1987. Assessment of the genomic system of classification in the Triticeae. Amer. J. Bot. 74:1388-1395.

Bowden, W.M. 1965. Cytotaxonomy of the species and interspecific hybrids of the genus *Agropyron* in Canada and neighboring areas. Can. J. Bot. 43:1421-1448.

Dewey, D.R. 1983. Historical and current taxonomic perspectives of *Agropyron*, *Elymus*, and related genera. Crop Sci. 23:637-642.

Dewey, D.R. 1986. Taxonomy of the crested wheatgrasses (*Agropyron*). p. 31-44. IN: Johnson, K.L. (ed.). Crested wheatgrass: its values, problems and myths; a symposium. Utah State University.

Estes, J.R. & R.J. Tyrl. 1982. The generic concept and generic circumscription in the Triticeae: an end paper. IN J.R. Estes, R.J. Tyrl, & J.N. Brunken (eds.), Grasses and Grasslands. p. 145-164. Univ. Oklahoma Press. Norman, Oklahoma.

Great Plains Flora Association. 1977. Atlas of the Flora of the Great Plains. Iowa State Univ. Press. 600 pp. [*Agropyron cristatum* subsp. *pectiniforme*]

Holmgren, A.H. & N.H. Holmgren. 1977. Tribe 3. Triticeae, pp. 292-336. IN: Intermountain Flora, vol. 6. New York Botanical Garden.

Runemark, H. & W.K. Heneen. 1968. *Elymus* and *Agropyron*, a problem of generic delimitation. Bot. Notiser 121:51-79.

×andinum (Scribner & Smith) Rydberg : An unstabilized hybrid between Elymus trachycaulus subsp. violaceus × Elymus scribneri (Bowden 196).

arizonicum Scribner & Smith = Elymus arizonicus (Scribner & Smith) Gould

bakeri E. Nelson = Elymus bakeri (E. Nelson) Löve

barbulatum Schur = Elymus hispidus (Opiz) Melderis subsp. barbulatus (Schur) Melderis

caninum sensu M&H and W&S = Elymus trachycaulus (Link) Shinners subsp. trachycaulus

cristatum (Linnaeus) Gaertner [Allred 2005; M&H]

fairway crested wheatgrass

Agropyron cristatum (Linnaeus) Gaertner subsp. *pectinatum* (Bieberstein) Tzvelev

Agropyron pectiniforme Roemer & Schultes

cristatum (Linnaeus) Gaertner subsp. *desertorum* (Fischer ex Link) Löve = Agropyron desertorum (Fischer ex Link) Schultes

cristatum (Linnaeus) Gaertner subsp. *fragile* (Roth) Löve = Agropyron fragile (Roth) P. Candargy

cristatum (Linnaeus) Gaertner subsp. *pectinatum* (Bieberstein) Tzvelev = Agropyron cristatum (Linnaeus) Gaertner

dasystachyum (Hooker) Scribner = Elymus lanceolatus (Scribner & Smith) Gould

dasystachyum (Hooker) Scribner var. *riparium* (Scribner & Smith) Bowden = Elymus lanceolatus (Scribner & Smith) Gould

desertorum (Fischer ex Link) Schultes [Allred 2005; M&H]

desert crested wheatgrass

Agropyron cristatum (Linnaeus) Gaetn. subsp. *desertorum* (Fischer ex Link) Löve

elongatum = Elymus elongatus (Host) Runemark subsp. elongatus

fragile (Roth) P. Candargy [Allred 2005; M&H]

Siberian crested wheatgrass

Agropyron cristatum (Linnaeus) Gaertner subsp. *fragile* (Roth) Löve

Agropyron sibiricum (Willdenow) Beauvois

hispidum Opiz = Elymus hispidus (Opiz) Melderis subsp. hispidus

inerme (Scribner & Smith) Rydberg = Elymus spicatus (Pursh) Gould

intermedium (Host) Beauvois = Elymus hispidus (Opiz) Melderis subsp. hispidus

latiglume = Elymus trachycaulus (Link) Gould subsp. violaceus (Hornm.) A.& D. Löve

lanceolatum Scribner & Smith = Elymus lanceolatus (Scribner & Smith) Gould

molle (Scribner & Smith) Rydberg = Elymus smithii (Rydberg) Gould

novae-angliae Scribner = Elymus trachycaulus (Link) Gould subsp. novae-angliae (Scribner) Tsvelev

occidentale Scribner = Elymus smithii (Rydberg) Gould

palmeri (Scribner & Smith) Rydberg = Elymus smithii (Rydberg) Gould

pauciflorum (Schweinitz) A.S. Hitchcock = Elymus trachycaulus (Link) Gould subsp. trachycaulus

pectiniforme Roemer & Schultes = Agropyron cristatum (Linnaeus) Gaertner subsp. pectinatum (Bieberstein) Tzvelev

×pseudorepens Scribner & Smith : This name has been applied to unstabilized hybrid plants between Elymus trachycaulus × Elymus lanceolatus or Elymus repens (Allred 2005).

repens (Linnaeus) Beauvois = Elymus repens (Linnaeus) Gould

richardsonii (Trinius) Schrader = Elymus trachycaulus (Link) Shinners subsp. subsecundus (Link) A. & D. Löve

riparium Scribner & Smith = Elymus lanceolatus (Scribner & Smith) Gould

×saundersii (Vasey) A.S. Hitchcock : Unstabilized hybrids between Elymus longifolius × Elymus trachycaulus (Allred 2005).

×saxicola Scribner & Smith : Unstabilized hybrids between Elymus longifolius × Elymus spicatus (Allred 2005).

scribneri Vasey = Elymus scribneri (Vasey) M.E. Jones

sibericum (Willdenow) Beauvois = Agropyron fragile (Roth) P. Candargy

smithii Rydberg var. *molle* (Scribner & Smith) M.E. Jones = Elymus smithii (Rydberg) Gould

smithii Rydberg var. *palmeri* (Scribner & Smith) Heller = Elymus smithii (Rydberg) Gould

smithii Rydberg var. *smithii* = Elymus smithii (Rydberg) Gould

spicatum (Pursh) Scribner & Smith = Elymus spicatus (Pursh) Gould

spicatum (Pursh.) Scribner & Smith var. *arizonicum* (Scribner & Smith) Jones = Elymus arizonicus (Scribner & Smith) Gould

subsecundum (Link) Hitchcock = Elymus trachycaulus (Link) Shinners subsp. subsecundus (Link) A. & D. Löve

tenerum Vasey = Elymus trachycaulus (Link) Malt subsp trachycaulus

trachycaulum (Link) Malte = Elymus trachycaulus (Link) Shinners subsp. trachycaulus
trichophorum (Link) Richter = Elymus hispidus (Opiz) Melderis subsp. barbulatus (Schur) Melderis
triticeum Gaertner = Eremopyrum triticeum (Gaertner) Nevski
unilaterale Cassidy = Elymus trachycaulus (Link) Shinners subsp. subsecundus (Link) A. & D. Löve
violaceum (Hornemann) Lange = Elymus trachycaulus (Link) Shinners subsp. violaceus (Hornemann) A. & D. Löve

Agrostis bentgrass

Bjorkman, S.O. 1960. Studies in *Agrostis* and related genera. Symb. Bot. Upsal. 17:1-112.
Cronquist, A., A.H. Holmgren, N.H. Holmgren, J.L. Reveal, & P.K. Holmgren. 1977. Vol. 6 (Monocotyledons). New York Botanical Garden. 584 pp. [*Agrostis humilis*]
Kik, C., J.Van Andel, & W. Joenje. 1990. Life-history variation in ecologically contrasting populations of *Agrostis stolonifera*. J. Ecology 78:962-973.
Reeder, C.G. & J.R. Reeder. 1986. *Agrostis elliottiana* (Gramineae) new to Arizona and New Mexico. Phytologia 60:453-458.
Reeder, C.G. & J.R. Reeder. 1989. A further note on *Agrostis elliottiana*. Phytologia 67(2):134-138.
Swallen, J.R. 1948. *Agrostis variabilis* Rydberg, a valid species. Leafl. W. Bot. 5:123-125.

airoides Torrey = Sporobolus airoides (Torrey) Torrey
alba of numerous authors = Agrostis gigantea Roth and Agrostis stolonifera Linnaeus
bakeri Rydberg = Agrostis idahoensis Nash
composita Poiret = Sporobolus compositus (Poiret) Merrill
cryptandra Torrey = Sporobolus cryptandrus (Torrey) A. Gray
elliottiana Schultes [Allred 2005; Reeder & Reeder 1986]
Elliott bentgrass
Agrostis exigua Thurber
Agrostis rosei sensu W&S, not Scribner & Merrill
exarata Trinius var. ***minor*** Hooker [Allred 2005; M&H; W&S]
spike bentgrass
exigua Thurber = Agrostis elliottiana Schultes
****gigantea*** Roth [Allred 2005; M&H; W&S]
redtop
Agrostis alba of numerous authors
hiemalis sensu W&S = Agrostis scabra Willdenow
humilis Vasey [Cronquist et al. 1977]
low bentgrass
Podagrostis humilis (Vasey) Bjorkman
Podagrostis thurberiana (A.S. Hitchcock) Hulten
idahoensis Nash [Allred 2005; M&H; W&S]
Idaho bentgrass
Agrostis bakeri Rydberg
interruptus Linnaeus = Apera interrupta (Linnaeus) Beauvois
minutissima Steudel = Muhlenbergia minutissima (Steudel) Swallen
palustris Hudson = Agrostis stolonifera Linnaeus
perennans (Walter) Tuckerman : Reported by M&H, but no validating specimens located. (Allred 2005).
pyramidata Lamarck = Sporobolus pyramidatus (Lamarck) A.S. Hitchcock
rosei sensu W&S = Agrostis elliottiana Schultes
scabra Willdenow [Allred 2005; M&H; W&S]
rough bentgrass
Agrostis hiemalis sensu W&S
semiverticillata (Forsskål) C. Christsensen = Polypogon viridis (Gouan) Breistroffer
****stolonifera*** Linnaeus [Allred 2005; M&H; W&S]
creeping bentgrass
Agrostis alba of numerous authors
Agrostis palustris Hudson
Agrostis stolonifera Linnaeus var. *palustris* (Hudson) Farwell
stolonifera Linnaeus var. *palustris* (Hudson) Farwell = Agrostis stolonifera Linnaeus
variabilis Rydberg [Allred 2005]
mountain bentgrass
viridis Gouan = Polypogon viridis (Gouran) Breistroffer

Aira silver-hairgrass

Adams, T. 1998. New plant distribution records. The New Mexico Botanist 8:10. [*Aira elegans*]

****elegans*** Willdenow ex Kunth [Adams 1998]
annual silver-hairgrass
spicata Linnaeus = Trisetum spicatum (Linnaeus) Richter

Alopecurus foxtail

Sieber, V.K. & B.G. Murray. 1979. The cytology of the genus *Alopecurus* (Gramineae). Bot. J. Linn. Soc. 79:343-355.

aequalis Sobolewsky [Allred 2005; M&H; W&S]
shortawn foxtail
Alopecurus aristulatus Michaux
agrestis Linnaeus = Alopecurus myosuroides Hudson
aristulatus Michaux = Alopecurus aequalis Sobolewsky
carolinianus Walter [Allred 2005; M&H]

Carolina foxtail

**__geniculatus__* Linnaeus [Allred 2005; M&H]

water foxtail

**__myosuroides__* Hudson [Allred 2005; M&H; W&S]

slender foxtail

Alopecurus agrestis Linnaeus

**__pratensis__* Linnaeus [Allred 2005]

meadow foxtail

Amphilophis barbinodis (Lagasca) Nash in Small = Bothriochloa barbinodis (Lagasca) Herter

saccharoides as used by various authors = Bothriochloa laguroides (A.P. de Candolle) Herter subsp. torreyana (Steudel) Allred & Gould

wrightii (Hackel) Nash = Bothriochloa wrightii (Hackel) Henrard

Andropogon bluestem

Barnes, P.W. 1986. Variation in the big bluestem (*Andropogon gerardii*)-sand bluestem (*Andropogon hallii*) complex along a local dune/meadow gradient in the Nebraska sandhills. Amer. J. Bot. 73(2):172-184.

Campbell, C.S. 1986. Phylogenetic reconstructions and two new varieties in the *Andropogon virginicus* complex (Poaceae: Andropogoneae). Syst. Bot. 11(2):280-292.

Gould, F.W. 1959. Transfers from *Andropogon* to *Bothriochloa* (Gramineae). Southw. Natural. 3:212.

Gould, F.W. 1967. The grass genus *Andropogon* in the United States. Brittonia 19:70-76.

Wipff, J.K. 1996. Nomenclatural combinations in the *Andropogon gerardii* complex (Poaceae: Andropogoneae). Phytologia 80(1):343-347.

altus Hitchcock = Bothriochloa alta (Hitchcock) Henrard

barbinodis Lagasca = Bothriochloa barbinodis (Lagasca) Herter

chrysocomus Nash = Andropogon gerardii Vitman subsp. chrysocomus (Nash) Wipff

cirratus Hackel = Schizachyrium cirratum (Hackel) Wooton & Standley

feensis Fournier = Schizachyrium sanguineum (Retzius) Alston var. hirtiflorum (Nees) Hatch

furcatus Muhlenberg = Andropogon gerardii Vitman subsp. gerardii

gerardii Vitman subsp. ***chrysocomas*** (Nash) Wipff [Allred 2005; W&S]

sand bluestem

Andropogon chrysocomus Nash

gerardii Vitman subsp. ***gerardii*** [Allred 2005; M&H; W&S]

big bluestem

Andropogon furcatus Muhlenberg

gerardii Vitman subsp. ***hallii*** (Hackel) Wipff [Allred 2005; M&H; W&S]

hall's bluestem, sand bluestem

Andropogon gerardii Vitman var. *paucipilus* (Nash) Fernald

Andropogon hallii Hackel var. *flaveolus* (Hackel) Hackel Note: There may be problems with the typificatin of this epithet and it may belong the subsp. chrysocomus instead.

Andropogon hallii Hackel

Andropogon hallii Hackel var. *muticus* Hackel

gerardii Vitman var. *paucipilus* (Nash) Fernald = Andropogon gerardii Vitman subsp. hallii (Hackel) Wipff

glomeratus (Walter) Britton, Sterns, & Poggenburg var. *pumilus* sensu Kartesz (1999) = *Andropogon glomeratus* (Walter) Britton, Sterns, & Poggenburg var. *scabriglumus* Campbell

glomeratus (Walter) Britton, Sterns, & Poggenburg var. ***scabriglumus*** Campbell [Allred 2005; Campbell 1986; M&H]

southwestern bushy bluestem

Andropogon glomeratus (Walter) Britton, Sterns, & Poggenburg var. *pumilus* sensu Kartesz

hallii Hackel = Andropogon gerardii Vitman subsp. hallii (Hackel) Wipff

hallii Hackel var. *flaveolus* (Hackel) Hackel = Andropogon gerardii Vitman subsp. hallii (Hackel) Wipff Note: There may be problems with the typification of this epithet and it may belong the subsp. chrysocomus instead.

hallii Hackel var. *muticus* Hackel = Andropogon gerardii Vitman subsp. hallii (Hackel) Wipff

hirtiflorus (Nees) Kunth var. *feensis* (Fournier) Hackel = Schizachyrium sanguineum (Retzius) Alston var. hirtiflorum (Nees) Hatch

perforatus Fournier = Bothriochloa barbinodis (Lagasca) Herter

ravennae Linnaeus = Saccharum ravennae (Linnaeus) Linnaeus

saccharoides as used by various authors = Bothriochloa laguroides (A.P. de Candolle) Herter subsp. torreyana (Steudel) Allred & Gould

scoparius Michaux var. *frequens* C.E. Hubbard = Schizachyrium scoparium (Michaux) Nash var. scoparium

scoparius Michaux var. *neomexicanus* (Nash) Hitchcock = Schizachyrium neomexicanum Nash

scoparius Michaux var. *scoparius* = Schizachyrium scoparium (Michaux) Nash var. scoparium

springfieldii Gould = Bothriochloa springfieldii (Gould) Parodi

wrightii Hackel = Bothriochloa wrightii (Hackel) Henrard

Anisantha diandra (Roth) Tutin = Bromus diandra Roth

rubens (Linnaeus) Nevski = Bromus rubens Linnaeus

sterilis (Linnaeus) Nevski = Bromus sterilis Linnaeus

tectorum (Linnaeus) Nevski = Bromus tectorum Linnaeus

Anthephora belangeri Steudel = Hilaria belangeri (Steudel) Nash

Anthoxanthum vernalgrass

Hartman, R.L. 1973. New plant records for New Mexico. Southwestern Naturalist 18(2):241-242.

Hedberg, I. 1990. Morphological, cytotaxonomic and evolutionary studies in *Anthoxanthum odoratum* L. s.l. Sommerfeltia 11:97-107.

Schouten, Y. & J.F. Veldkamp. 1985. A revision of *Anthoxanthum* including *Hierochloe* (Gramineae) in Malesia and Thailand. Blumea 30:319-351.

nitens (Weber) Y. Schouten & Veldkamp = Hierochloe odorata (Linnaeus) Beauvois

**__odoratum__* Linnaeus [Allred 2005; M&H]

sweet vernalgrass

Apera silky-bent

Bjorkman, S.O. 1960. Studies in *Agrostis* and related genera. Symb. Bot. Upsal. 17:1-112.

****interrupta*** (Linnaeus) Beauvois [Allred 2005]

dense silky-bent

Agrostis interruptus Linnaeus

Aristida threeawn

Allred, K.W. 1984. Morphologic variation and classification of the North American *Aristida purpurea* complex (Gramineae). Brittonia 36:382-395.

Allred, K.W. 1994. A new name for *Aristida hamulosa* (Gramineae). Phytologia 77(5):411-413.

Allred, K.W. & J. Valdés-Reyna. 1995. Novelties and notes in North American *Aristida* (Gramineae). Novon 5(3):209-222.

Allred, K.W. & J. Valdes-Reyna. 1997. The *Aristida pansa* complex and a key to the Divaricatae group of North America (Gramineae: Aristideae). Brittonia 49(1):54-66.

Trent, J.S. & K.W. Allred. 1990. A taxonomic comparison of *Aristida ternipes* and *Aristida hamulosa* (Gramineae). Sida 14(2):251-261.

adscensionis Linnaeus [Allred 2005; M&H; W&S]

six-weeks threeawn

Aristida bromoides Humboldt, Bonpland, & Kunth

arizonica Vasey [Allred 2005; M&H; W&S]

Arizona threeawn

barbata Fournier = Aristida havardii Vasey

bromoides Humboldt, Bonpland, & Kunth = Aristida adscencionis Linnaeus

brownii Warnock = Aristida purpurea Nuttall var. wrightii (Nash) Allred forma brownii (Warnock) Allred & Valdes-R.

dissita I.M. Johnston = Aristida pansa Wooton & Standley forma dissita (I.M. Johnston) Allred & Valdes-R.

divaricata Humboldt & Bonpland ex Willdenow [Allred 2005; M&H; W&S]

poverty threeawn

divergens Vasey = Aristida ternipes Cavanilles var. ternipes

fendleriana Steudel = Aristida purpurea Nuttall var. fendleriana (Steudel) Vasey

glauca (Nees) Walpers = Aristida purpurea Nuttall var. nealleyi (Vasey) Allred

hamulosa Henrard = Aristida ternipes Cavanilles var. gentilis (Henrard) Allred

havardii Vasey [Allred 2005; M&H; W&S]

Havard's threeawn

Aristida barbata Fournier

longiseta Steudel var. *longiseta* = Aristida purpurea Nuttall var. longiseta (Steudel) Vasey

longiseta Steudel var. *rariflora* Hitchcock = Aristida purpurea Nuttall var. longiseta (Steudel) Vasey

longiseta Steudel var. *robusta* Merrill = Aristida purpurea Nuttall var. longiseta (Steudel) Vasey

micrantha Nash = Aristida purpurea Nuttall var. purpurea

****oligantha*** Michaux [Allred 2005; M&H]

oldfield threeawn

orcuttiana Vasey = Aristida schiedeana Trinius & Ruprecht var. orcuttiana (Vasey) Allred & Valdés-R.

pansa Wooton & Standley forma ***dissita*** (I.M. Johnston) Allred & Valdes-R. [Allred 2005; M&H]

Wooton's threeawn

Aristida dissita I.M. Johnston

Aristida pansa Wooton & Standley var. *dissita* (I.M. Johnston) Beetle

pansa Wooton & Standley var. *dissita* (I.M. Johnston) Beetle = Aristida pansa Wooton & Standley forma dissita (I.M. Johnston) Allred & Valdes-R.

pansa Wooton & Standley forma ***pansa*** [Allred 2005; M&H; W&S]

Wooton's threeawn

Aristida pansa Wooton & Standley var. *pansa*

pansa Wooton & Standley var. *pansa* = Aristida pansa Wooton & Standley forma pansa

purpurea Nuttall var. ***fendleriana*** (Steudel) Vasey [Allred 2005; M&H; W&S]

Fendler threeawn

Aristida fendleriana Steudel

purpurea Nuttall var. *laxiflora* Merrill = Aristida purpurea Nuttall var. purpurea

purpurea Nuttall var. ***longiseta*** (Steudel) Vasey [Allred 2005; M&H; W&S]

red threeawn

Aristida longiseta Steudel var. *longiseta*

Aristida longiseta Steudel var. *rariflora* Hitchcock

Aristida longiseta Steudel var. *robusta* Merrill

purpurea Nuttall var. ***nealleyi*** (Vasey) Allred [Allred 2005; M&H; W&S]

Nealley's threeawn

Aristida glauca (Nees) Walpers

Aristida vaseyi Wooton & Standley

purpurea Nuttall var. ***perplexa*** Allred & Valdes-R. [Allred & Valdes-R. 1995]

Jornada threeawn

purpurea Nuttall var. ***purpurea*** [Allred 2005; M&H; W&S]

purple threeawn

Aristida micrantha Nash

Aristida purpurea Nuttall var. *laxiflora* Merrill

Aristida roemeriana Scheele

purpurea Nuttall var. ***wrightii*** (Nash) Allred [Allred 2005; M&H; W&S]
Wright's threeawn
Aristida wrightii Nash
purpurea Nuttall var. ***wrightii*** (Nash) Allred forma ***brownii*** (Warnock) Allred & Valdes-R. [Allred & Valdes-R. 1995.]
Brown's threeawn
Aristida brownii Warnock
roemeriana Scheele = Aristida purpurea Nuttall var. purpurea
schiedeana Trinius & Ruprecht var. ***orcuttiana*** (Vasey) Allred & Valdés-R. [Allred & Valdes-R. 1995; M&H; W&S]
single threeawn
Aristida orcuttiana Vasey
ternipes Cavanilles var. ***gentilis*** (Henrard) Allred [Allred 2005; M&H]
Hook threeawn
Aristida hamulosa Henrard
Aristida ternipes Cavanilles var. *hamulosa* (Henrard) Trent
ternipes Cavanilles var. *hamulosa* (Henrard) Trent = Aristida ternipes Cavanilles var. gentilis (Henrard) Allred
ternipes Cavanilles var. *minor* (Vasey) Hitchcock = Aristida ternipes Cavanilles var. ternipes
ternipes Cavanilles var. ***ternipes*** [Allred 2005; M&H]
spidergrass
Aristida divergens Vasey
Aristida ternipes Cavanilles var. *minor* (Vasey) Hitchcock
vaseyi Wooton & Standley = Aristida purpurea Nuttall var. nealleyi (Vasey) Allred
wrightii Nash = Aristida purpurea Nuttall var. wrightii Nash

Arrhenatherum oatgrass
elatius (Linnaeus) Beauvois ex J. & K. Presl [Allred 2005; M&H]
tall oatgrass

Arundo giant reed
donax Linnaeus [Allred 2005; M&H; W&S]
giant reed

Atheropogon curtipendulus Fournier = Bouteloua curtipendula (Michaux) Torrey var. curtipendula
filiformis Fournier = Bouteloua repens (Kunth) Scribner & Merrill

Avena oats
Baum, B.R. 1977. Oats: wild and cultivated. Biosystematics Research Institute, Canada Dept. Agr., Monography No. 14.
Marshall, D. & S. Jain. 1968. Phenotypic plasticity of *Avena fatua* and *A. barbata*. Amer. Naturalist 102:457-467.
Scholz, H. 1991. Die Systematik der *Avena sterilis* und *A. fatua* (Gramineae): eine kritische Studie. [The systematics of *Avena sterilis* and *A. fatua* (Gramineae): a critical study.] Willdenowia 20(1-2):103-112.
barbata Pott ex Link [Allred 2005]
slender oats
fatua Linnaeus [Allred 2005; M&H; W&S]
wild oats
fatua Linnaeus var. *sativa* (Linnaeus) Haussknecht = Avena sativa Linnaeus
hookeri Scribner = Helictotrichon hookeri (Scribner) Henrard
sativa Linnaeus [Allred 2005; M&H]
common oats
Avena fatua Linnaeus var. *sativa* (Linnaeus) Haussknecht
striata Michaux = Schizachne purpurascens (Torrey) Swallen

Avenula hookeri (Scribner) Holub = Helictotrichon hookeri (Scribner) Henrard

Beckmannia sloughgrass
Koyama, T. & S. Kawano. 1964. Critical taxa of grasses with North American and eastern Asiatic distribution. Canad. J. Bot. 42:859-884.
Reeder, J.R. 1953. Affinities of the grass genus *Beckmannia* Host. Bull. Torrey Bot. Club 80(3):187-196.
eruciformis (Linnaeus) Host = Beckmannia syzigachne (Steudel) Fernald
syzigachne (Steudel) Fernald subsp. ***baicaulensis*** (N.I. Kusnezow) T. Koyama & Kawano [Allred 2005; M&H; W&S]
American sloughgrass
Beckmannia eruciformis (Linnaeus) Host

Blepharidachne desertgrass
Hunziker, A. & A.M. Anton. 1979. A synoptical revision of *Blepharidachne* (Poaceae). Brittonia 31:446-453.
bigelovii (S. Watson) Hackel [Allred 2005]
Bigelow's desertgrass

Blepharoneuron dropseed
Peterson, P.M. & C.R. Annable. 1990. A revision of *Blepharoneuron* (Poaceae: Eragrostideae). Syst. Bot. 15(4):515-525.
tricholepis (Torrey) Nash [Allred 2005; M&H; W&S]
pine dropseed

Bothriochloa bluestem
Allred, K.W. 1983. Systematics of the *Bothriochloa saccharoides* complex (Poaceae: Andropogoneae). Syst. Bot. 8:168-184.
Gould, F.W. 1959. Transfers from *Andropogon* to *Bothriochloa* (Gramineae). Southw. Natural. 3:212.
Gould, F.W. 1967. The grass genus *Andropogon* in the United States. Brittonia 19:70-76.
Vega, A.S. 2000. Revisión taxonómica de las especies Americanas del género *Bothriochloa* (Poaceae: Panicoideae: Andropogoneae). Darwiniana 38(1-2):127-186.
alta (Hitchcock) Henrard [Allred 2005]

tall bluestem
Andropogon altus Hitchcock
barbinodis (Lagasca) Herter [Allred 2005; M&H; W&S]
cane bluestem
Amphilophis barbinodis (Lagasca) Nash
Andropogon barbinodis Lagasca
Andropogon perforatus Fournier
*****bladhii*** (Retzius) S.T. Blake [Allred 2005]
Australian bluestem
Bothriochloa caucasica (Trinius) C.E. Hubbard
Bothriochloa intermedia (R. Brown) A. Camus
caucasica (Trinius) C.E. Hubbard = Bothriochloa bladhii (Retzius) S.T. Blake
intermedia (R. Brown) A. Camus = Bothriochloa bladhii (Retzius) S.T. Blake
*****ischaemum*** (Linnaeus) Keng var. ***ischaemum*** [Allred 2005]
yellow bluestem
*****ischaemum*** (Linnaeus) Keng var. ***songarica*** (Ruprecht ex Fischer & Meyer) Celerier & Harlan [Allred 2005]
King Ranch bluestem
laguroides (A.P. de Candolle) Herter subsp. ***torreyana*** (Steudel) Allred & Gould [Allred 2005; M&H; W&S]
silver bluestem
Amphilophis saccharoides as used by various authors
Andropogon saccharoides as used by various authors
reevesii (Gould) Gould : Reported for NM by Vega (2000), from Guadalupe Co., but the specimen cited (Arsène & Benedict 16669, MO) is Bothriochloa springfieldii (Gould) Parodi
springfieldii (Gould) Parodi [Allred 2005]
Springfield's bluestem
Andropogon springfieldii Gould
wrightii (Hackel) Henrard [Allred 2005; M&H; W&S]
Wright's bluestem
Amphilophis wrightii (Hackel) Nash
Andropogon wrightii Hackel

Bouteloua grama

Columbus, J.T. 1993. The affinities of *Bouteloua aristidoides* and *B.* (*Chondrosum*) *eriopoda* and the *Bouteloua-Chondrosum* generic delimitation problem (Gramineae: Cynodonteae). Amer. J. Bot. 80(suppl.):138.
Columbus, J.T. 1999. An expanded circumscription of *Bouteloua* (Gramineae: Chloridoideae): new combinations and names. Aliso 18(1):61-65.
Columbus, J.T. 1999. Morphology and leaf blade anatomy suggest a close relationship between *Bouteloua aristidoides* and *B.* (*Chondrosum*) *eriopoda* (Gramineae: Chloridoideae). Syst. Bot. 23(4):467-478.
Esparza-Sandoval, S. & Y. Herrera-Arrieta. 1996. Revision de *Bouteloua barbata* Lagasca (Poaceae: Eragrostideae). Phytologia 80(2):73-91.
Gould, F.W. 1979. The genus *Bouteloua*. Ann. Missouri Bot. Gard. 66:348-416.
Griffiths, D. 1912. The grama grasses: *Bouteloua* and related genera. Contr. U.S. Natl. Herb. 14(3):343-428.
Kartesz, J.T. & K.N. Gandhi. 1990. Nomenclatural notes for the North American flora. IV. Phytologia 69(4):301-312. [*Bouteloa gracilis*]
Reeder, J.R. 1986. Type specimen of *Bouteloua ramosa* Scribner ex Vasey (Gramineae). Taxon 35(1):149-153.
Reeder, J.R. & C.G. Reeder. 1980. Systematics of *Bouteloua breviseta* and *B. ramosa* (Gramineae). Syst. Bot. 5(3):312-321.
Reeder, J.R. & C.G. Reeder. 1990. *Bouteloua eludens*: elusive indeed, but not rare. Desert Plants 10(1):19-22,31.

aristidoides (Kunth) Grisebach var. ***aristidoides*** [Allred 2005; M&H; W&S]
needle grama
Bouteloua gracilis Vasey
aristidoides (Kunth) Grisebach var. ***arizonica*** Jones [Allred 2005]
needle grama
barbata Lagasca var. ***barbata*** [Allred 2005; M&H; W&S]
sixweeks grama
Chondrosum barbatum (Lagasca) W.D. Clayton
barbata Lagasca var. ***rothrockii*** (Vasey) Gould [Allred 2005]
Rothrock's grama
Bouteloua rothrockii Vasey
breviseta Vasey [Allred 2005; M&H; W&S]
gyp grama
chondrosoides (Kunth) Bentham ex S. Watson : Reported by M&H, but no validating specimens located (Allred 2005; T. Columbus, pers. comm.).
curtipendula (Michaux) Torrey var. ***caespitosa*** Gould & Kapadia [Allred 2005]
sideoats grama
curtipendula (Michaux) Torrey var. ***curtipendula*** [Allred 2005; M&H; W&S]
sideoats grama
Atheropogon curtipendulus Fournier
dactyloides (Nuttall) J.T. Columbus = Buchloë dactyloides (Nuttall) Engelmann
eludens Griffiths [Allred 2005]
Santa Rita grama
eriopoda (Torrey) Torrey [Allred 2005; M&H; W&S]

black grama
Chondrosum eriopodum Torrey
filiformis (Fournier) Griffiths = Bouteloua repens (Kunth) Scribner & Merrill
gracilis (Willdenow ex Kunth) Lagasca ex Griffiths [Allred 2005; M&H; W&S]
blue grama
"*Bouteloua gracilis*" Lagasca nom. nud.
Bouteloua oligostachya (Nuttall) Torrey ex A. Gray
Chondrosum gracile Willdenow ex Kunth
gracilis Vasey (not Willdenow ex Kunth) = Bouteloua aristidoides (Kunth) Grisebach var. aristidoides
hirsuta Lagasca [Allred 2005; M&H; W&S]
hairy grama
Chondrosum foenum Torrey
Chondrosum hirsutum (Lagasca) Kunth
oligostachya (Nuttall) Torrey ex A. Gray = Bouteloua gracilis (Willdenow ex Kunth) Lagasca ex Griffiths
parryi (Fournier) Griffiths [Allred 2005; M&H; W&S]
Parry's grama
Chondrosum parryi Fournier
procumbens (Durand) Griffiths = Bouteloua simplex Lagasca
radicosa (Fournier) Griffiths [Allred 2005; M&H; W&S]
purple grama
ramosa Vasey : Reported by M&H, but no validating specimens located (Allred 2005; Reeder & Reeder 1980).
repens (Kunth) Scribner & Merrill [Allred 2005; M&H]
slender grama
Atheropogon filiformis Fournier
Bouteloua filiformis (Fournier) Griffiths
rothrockii Vasey = Bouteloua barbata Lagasca var. rothrockii (Vasey) Gould
simplex Lagasca [Allred 2005; M&H; M&H; W&S]
mat grama
Bouteloua procumbens (Durand) Griffiths
trifida Thurber ex S. Watson [Allred 2005; M&H]
red grama
Bouteloua trifida Thurber ex S. Watson var. *burkii* (Scribner ex S. Watson) Vasey ex L.H. Dewey
trifida Thurber ex S. Watson var. *burkii* (Scribner ex S. Watson) Vasey ex L.H. Dewey = Bouteloua trifida Thurber ex S. Watson
warnockii Gould & Kapadia [Allred 2005; M&H]
Warnock's grama
Brachiaria arizonica (Scribner & Merrill) S.T. Blake = Urochloa arizonica (Scribner & Merrill) Morrone & Zuloaga
ciliatissima (Buckley) Chase = Urochloa ciliatissima (Buckley) R.D. Webster
fasciculata (Swartz) Parodi = Urochloa fusca (Swartz) Hansen & Wunderlin
texana (Buckley) S.T. Blake = Urochloa texana (Buckley) R.D. Webster

Briza quaking grass

Allred, K.W. 2004. Plant distribution reports. The New Mexico Botanist 29:7. [*Briza maxima*]
Forbes, A. 1998. New plant distribution records. The New Mexico Botanist 8:10. [*Briza minor*]

maxima Linnaeus [Allred 2004]
minor Linnaeus [Forbes 1998]
little quaking grass

Bromopsis anomala (Ruprecht ex Fournier) Holub = Bromus anomalus Ruprecht ex Fournier
ciliata (Linnaeus) Holub = Bromus ciliata Linnaeus
frondosa (Shear) Holub = Bromus frondosus Shear
inermis (Leysser) Holub = Bromus inermis Leysser
lanatipes (Shear) Holub = Bromus lanatipes Shear
porteri (Coulter) Holub = Bromus porteri Coulter
pumpellianus (Scribner) Holub = Bromus pumpellianus Scribner
richardsonii (Link) Holub = Bromus richardsonii Link

Bromus brome

Allred, K.W. 1993. *Bromus*, section *Pnigma*, in New Mexico, with a key to the bromegrasses of the state. Phytologia 74:319-345.
Barkworth, M.E., L.K. Anderston, J. McGrew, & D.E. Giblin. 2006. Geography and morphology of the *Bromus carinatus* (Poaceae: Bromeae) complex. Madrono 53(3):233-243.
Elliott, F.C. 1949. *Bromus inermis* and *B. pumpellianus* in North America. Evolution 3:142-149.
Gill, G.S. & S.A. Carstairs. 1988. Morphological, cytological and ecological discrimination of *Bromus rigidus* from *Bromus diandrus*. Weed Research 28:399-405.
Hatch, S.L. 1977. New grass distribution records for New Mexico and the United States. Great Basin Naturalist 37(4):530-531. [*Bromus diandrus*, *Bromus mollis*]
Kon, K.R. & W.M. Blacklow. 1989. The biology of Australian weeds 19. *Bromus diandrus* Roth and *B. rigidus* Roth. Plant Protection Quarterly 4(2):51-59.
Pavlick, L. 1995. *Bromus* L. of North America. Royal British Columbia Museum.
Peterson, P.M., J. Cayouette, Y.S.N. Ferdinandez, B. Coulman, & R.E. Chapman. 2001. Recognition of *Bromus richardsonii* and *B. ciliatus*: Evidence from morphology, cytology, and DNA fingerprinting (Poaceae: Bromeae). Aliso 20(1):21-36.
Peterson, R. 1997. New plant distribution records. The New Mexico Botanist 6:8. [*Bromus sterilis*]
Pinto-Escobar, P. 1976. Nota sobre el ejemplar tipo de "*Bromus catharticus*" Vahl. Caldasia 11(54):9-16.
Sales, F. 1993. Taxonomy and nomenclature of *Bromus* sect. *Genea*. Edinburgh J. Botany 50(1):1-31.
Soderstrom, T.R. & J.H. Beaman. 1968. The genus *Bromus* (Gramineae) in Mexico and Central America. Publ. Mus. Mich. St. Univ., Biol. Ser. 3(5):465-520.
Wagnon, H.K. 1952. A revision of the genus *Bromus*, section *Bromopsis*, of North America. Brittonia 7:415-480.

anomalus Ruprecht ex Fournier [Allred 2005; M&H]
nodding brome
Bromopsis anomala (Ruprecht ex Fournier) Holub
anomalus var. *lanatipes* (Shear) Hitchcock = Bromus lanatipes (Shear) Rydberg
arenarius Labillardière : Reported by Pavlick & Anderton (2007) but NM specimens not known; awaits verification.
arizonicus (Shear) Stebbins : Reported by Pavlick & Anderton (2007) but NM specimens not known; awaits verification.
****briziformis*** Fischer & Meyer [Allred 2005]
rattlesnake chess
canadensis Michaux = Bromus ciliatus Linnaeus
carinatus Hooker & Arnott [Allred 2005; M&H; W&S]
California brome, mountain brome
Bromus carinatus Nooker & Arnott var. *marginatus* (Nees) Barkworth & Anderton
Bromus marginatus Nees ex Steudel
Bromus marginatus Nees ex Steudel var. *seminudus* Shear
Bromus polyanthus Scribner
Bromus polyanthus Scribner var. *paniculatus* Shear
Ceratochloa carinata (Hooker & Arnott) Tutin
Ceratochloa marginata (Nees ex Steudel) B.D. Jackson
Ceratochloa polyantha (Scribner) Tsvelev
carinatus Nooker & Arnott var. *marginatus* (Nees) Barkworth & Anderton = Bromus carinatus Hooker & Arnott
****catharticus*** Vahl [Allred 2005; M&H; W&S]
rescuegrass
Bromus unioloides (Willdenow) Kunth
Bromus willdenovii Kunth
Ceratochloa cathartica (Vahl) Herter
ciliatus Linnaeus [Allred 2005; M&H; M&H; W&S]
fringed brome
Bromopsis ciliata (Linnaeus) Holub
Bromus canadensis Michaux
commutatus Schrader = Bromus japonicus Thunberg ex Murray
****diandrus*** Roth [Allred 2005; Hatch 1977]
ripgut brome
Anisantha diandra (Roth) Tutin
Bromus rigidus of numerous authors
frondosus (Shear) Wooton & Standley [Allred 2005; M&H; W&S]
weeping brome
Bromopsis frondosa (Shear) Holub
Bromus porteri var. *frondosus* Shear
hordeaceus Linnaeus var. *glabrescens* (Coss.) Shear = Bromus hordeaceus Linnaeus subsp. hordeaceus
****hordeaceus*** Linnaeus subsp. ***hordeaceus*** [Allred 2005; M&H; W&S]
soft brome
Bromus hordeaceus Linnaeus var. *glabrescens* (Coss.) Shear
Bromus mollis Linnaeus
Bromus racemosus sensu M&H
****hordeaceus*** Linnaeus subsp. ***molliformis*** (Lloyd) Maire & Weiller [Allred 2005]
soft brome
Bromus molliformis Lloyd
****inermis*** Leysser [Allred 2005; M&H; W&S]
smooth brome
Bromopsis inermis (Leysser) Holub
inermis Leysser var. *purpurascens* (Hooker) Wagnon = Bromus pumpellianus Scribner
****japonicus*** Thunberg ex Murray [Allred 2005; M&H]
Japanese brome, meadow brome
Bromus commutatus Schrader
Bromus japonicus var. *porrectus* Hackel
japonicus var. *porrectus* Hackel = Bromus japonicus Thunberg ex Murray
lanatipes (Shear) Rydberg [Allred 2005; M&H; W&S]
shaggy brome
Bromopsis lanatipes (Shear) Holub
Bromus anomalus var. *lanatipes* (Shear) Hitchcock
Bromus porteri var. *lanatipes* Shear
madritensis Linnaeus var. *rubens* (Linnaeus) Husnot = Bromus rubens Linnaeus
marginatus Nees ex Steudel = Bromus carinatus Hooker & Arnott
marginatus Nees ex Steudel var. *seminudus* Shear = Bromus carinatus Hooker & Arnott
molliformis Lloyd = Bromus hordeaceus Linnaeus subsp. molliformis (Lloyd) Maire & Weiller
mollis Linnaeus = Bromus hordeaceus Linnaeus subsp. hordeaceus
mucroglumis Wagnon [Peterson et al. 2001; Wagnon 1952]

southwestern brome

polyanthus Scribner = Bromus carinatus Hooker & Arnott

polyanthus Scribner var. *paniculatus* Shear = Bromus carinatus Hooker & Arnott

porteri (Coulter) Nash [Allred 2005; W&S]

Porter's brome

Bromopsis porteri (Coulter) Holub

porteri (Coulter) Nash var. *frondosus* Shear = Bromus frondosus (Shear) Wooton & Standley

porteri var. *lanatipes* Shear = Bromus lanatipes (Shear) Rydberg

pumpellianus Scribner [Allred 2005]

American smooth brome

Bromopsis pumpellianus (Scribner) Holub

Bromus inermis Leysser var. *purpurascens* (Hooker) Wagnon

purgans Linnaeus : Reported by M&H, but no validating specimens located (Allred 2005).

racemosus sensu M&H = Bromus hordeaceus Linnaeus subsp. hordeaceus

richardsonii Link [Peterson et al. 2001]

Richardson's brome

Bromopsis richardsonii (Link) Holub

rigidus of numerous authors = Bromus diandrus Roth

rubens Linnaeus [Allred 2005; Hatch 1977; M&H]

foxtail brome, red brome

Anisantha rubens (Linnaeus) Nevski

Bromus madritensis Linnaeus var. *rubens* (Linnaeus) Husnot

secalinus Linnaeus [Allred 2005; M&H; W&S]

rye chess

sterilis Linnaeus [Allred 2005; Peterson 1997; M&H]

poverty brome

Anisantha sterilis (Linnaeus) Nevski

tectorum Linnaeus [Allred 2005; M&H]

cheatgrass, downy brome

Anisantha tectorum (Linnaeus) Nevski

trinii Desvaux : Reported as expected by M&H; awaits verification.

unioloides (Willdenow) Kunth = Bromus catharticus Vahl

willdenovii Kunth = Bromus catharticus Vahl

Buchloë buffalograss

Columbus, J.T. 1999. An expanded circumscription of *Bouteloua* (Gramineae: Chloridoideae): new combinations and names. Aliso 18(1):61-65.

dactyloides (Nuttall) Engelmann [Allred 2005; M&H; W&S]

buffalograss

Bouteloua dactyloides (Nuttall) J.T. Columbus

Bulbilis dactyloides (Nuttall) Rafinesque

Sesleria dactyloides Nuttall

Bulbilis dactyloides (Nuttall) Rafinesque = Buchloë dactyloides (Nuttall) Engelmann

Calamagrostis reedgrass

Greene, C.W. 1984. Sexual and apomictic reproduction in *Calamagrostis* (Gramineae) from eastern North America. Amer. J. Bot. 71:285-293.

Kawano, S. 1965. *Calamagrostis purpurascens* R. Brown and its identity. Acta Phytotax. Geobot. 21:73-89.

Nygren, A. 1954. Investigations on North American *Calamagrostis*. I. Hereditas 40:377-397.

Nygren, A. 1958. Investigations on North American *Calamagrostis*. II. Lantbrukshogskolans Ann. 24:363-368.

canadensis (Michaux) Beauvois [Allred 2005; M&H; W&S]

Canada reedgrass

Calamagrostis scribneri Beal

gigantea Nuttall = Calamovilfa gigantea (Nuttall) Scribner & Merrill

hyperborea var. *americana* (Vasey) Kearney = Calamagrostis stricta (Timm) Koeler subsp. inexpansa (Gray) C.W. Greene

inexpansa Gray = Calamagrostis stricta (Timm) Koeler subsp. inexpansa (Gray) C.W. Greene

neglecta of numerous authors = Calamagrostis stricta (Timm) Koeler subsp. inexpansa (Gray) C.W. Greene

purpurascens R. Brown var. ***purpurascens*** [Allred 2005; M&H]

purple reedgrass

scopulorum M.E. Jones [Allred 2005; M&H]

Jones's reedgrass

scribneri Beal = Calamagrostis canadensis (Michaux) Beauvois

stricta (Timm) Koeler subsp. ***inexpansa*** (Gray) C.W.Greene [Allred 2005; M&H; W&S]

slender reedgrass

Calamagrostis hyperborea Lange var. *americana* (Vasey) Kearney

Calamagrostis inexpansa Gray

Calamagrostis neglecta of numerous authors

Calamovilfa sandreed

Reeder, J.R. & M.E. Ellington. 1960. *Calamovilfa*, a misplaced genus of Gramineae. Brittonia 12:71-77.

Thieret, J.W. 1966. Synopsis of the genus *Calamovilfa* (Gramineae). Castanea 31:145-152.

gigantea (Nuttall) Scribner & Merrill [Allred 2005; M&H; W&S]

big sandreed
Calamagrostis gigantea Nuttall
longifolia (Hooker) Scribner [Allred 2005; M&H; W&S]
prairie sandreed
Capriola dactylon (Linnaeus) Kuntze = Cynodon dactylon (Linnaeus) Persoon
Catabrosa brookgrass
aquatica (Linnaeus) Beauvois var. ***aquatica*** [Allred 2005]
brookgrass
Catabrosa aquatica (Linnaeus) Beauvois var. *uniflora* S.F. Gray
aquatica (Linnaeus) Beauvois var. *uniflora* S.F. Gray = Catabrosa aquatica (Linnaeus) Beauvois var. aquatica
Catapodium rigid fescue
Allred, K.W. 1998. New plant distribution records. The New Mexico Botanist 8:10. [*Catapodium rigidum*]
****rigidum*** (Linnaeus) C.E. Hubbard ex Dony [Allred 1998]
fern grass, rigid fescue
Desmazeria rigida (Linnaeus) Tutin
Scleropoa rigida (Linnaeus) Grisebach
Cathestecum erectum Vasey & Hackel : Reported as expected by M&H; awaits verification.
Cenchrus sandbur
DeLisle, D.G. 1963. Taxonomy and distribution of the genus *Cenchrus*. Iowa State Coll. J. Sci. 37:259-351.
carolinianus Walter = Cenchrus longispinus (Hackel) Fernald
ciliaris Linnaeus = Pennisetum ciliare (Linnaeus) Link
****echinatus*** Linnaeus [Allred 2005; M&H]
southern sandbur
incertus M.A. Curtis = Cenchrus spinifex Cavanilles
longispinus (Hackel) Fernald [Allred 2005; W&S]
innocent-weed, long-spine sandbur
Cenchrus carolinianus Walter
Cenchrus pauciflorus Bentham in part
pauciflorus Bentham = Cenchrus spinifex Cavanilles and Cenchrus longispinus (Hackel) Fernald
spinifex Cavanilles [Allred 2005; M&H]
coastal sandbur
Cenchrus incertus M.A. Curtis
Cenchrus pauciflorus Bentham in part
Ceratochloa carinata (Hooker & Arnott) Tutin = Bromus carinatus Hooker & Arnott
cathartica (Vahl) Herter = Bromus catharticus Vahl
marginata (Nees ex Steudel) B.D. Jackson = Bromus carinatus Hooker & Arnott
polyantha (Scribner) Tsvelev = Bromus carinatus Hooker & Arnott
Chasmanthium latifolium (Michaux) Yates : A single specimen supposedly from NM was seen by Yates (1966); this is clearly an error in the label information.
Chaetochloa composita (Kunth) Scribner = Setaria macrostachya Kunth
glauca (Linnaeus) Scribner = Setaria pumila (Poiret) R & S
grisebachii ampla Scribner & Merrill = Setaria grisebachii Fournier
italica (Linnaeus) Scribner = Setaria italica (Linnaeus) Beauvois
viridis (Linnaeus) Scribner = Setaria viridis (Linnaeus) Beauvois
Chloris windmillgrass
Allred, K.W. 1996. New plant distribution records. The New Mexico Botanist 4:6. [*Chloris submutica*]
Anderson, D.E. 1974. Taxonomy of the genus *Chloris* (Gramineae). Brigham Young Univ. Sci. Bull. Biol. Ser. 19(2):1-133.
Barkworth, M.E. 2003. *Chloris*, pp. 204-218. IN: Flora of North America, vol. 25. Oxford University Press.
alba Presl var. *aristulata* Torrey = Chloris virgata Swartz
brevispica Nash = Chloris subdolichostachya C. Mueller
crinita Lagasca = Trichloris crinita (Lagasca) Parodi
cucullata Bischoff [Allred 2005; M&H; W&S]
hooded windmillgrass
divaricata R. Brown : Reported from Eddy County by Barkworth (2003), but validating specimen yet to be found.
elegans Kunth = Chloris virgata Swartz
subdolichostachya C. Mueller [Allred 2005; M&H; W&S]
shortspike windmillgrass
Chloris brevispica Nash
****submutica*** Kunth [Anderson 1974; Allred 2005, 1996]
Mexican windmillgrass
verticillata Nuttall [Allred 2005; M&H; W&S]
tumble windmillgrass
****virgata*** Swartz [Allred 2005; M&H; W&S]
showy windmillgrass
Chloris alba Presl var. *aristulata* Torrey
Chloris elegans Kunth
Chondrosum barbatum (Lagasca) W.D. Clayton = Bouteloua barbata Lagasca

eriopodum Torrey = Bouteloua eriopoda (Torrey) Torrey
gracilie Willdenow ex Kunth = Bouteloua gracilis (Willdenow ex Kunth) Lagasca ex Griffiths
foenum Torrey = Bouteloua hirsuta Lagasca
hirsutum (Lagasca) Kunth = Bouteloua hirsuta Lagasca
parryi Fournier = Bouteloua parryi (Fournier) Griffiths

Cinna woodreed

Brandenburg, D.B., W.H. Blackwell, & J.W. Thieret. 1991. Revision of the genus *Cinna* (Poaceae). Sida 14(4):581-596.
Keller, C.F. 2004. Plant distribution reports. The New Mexico Botanist 29:7. [*Cinna latifolia*]

latifolia (Trevisan ex Goeppinger) Grisebach [Allred 2005; Brandenburg et al. 1991; Keller 2004; M&H; W&S]
drooping woodreed

*Coix lacryma-jobi Linnaeus (Job's tears) : Included by Allred (2005) only as an ornamental and not known to escape.
*Cortaderia selloana (J.A. & J.H. Schultes) Ascherson & Graebner (pampasgrass) : Included by Allred (2005) only as an ornamental and not known to escape.

Cottea Cottagrass

pappophoroides Kunth [Allred 2005; M&H]
Cottagrass

Critesion arizonicum (Covas) Löve = Hordeum arizonicum Covas
brachyantherum (Nevski) Barkworth & Dewey = Hordeum brachyantherum Nevski
jubatum (Linnaeus) Nevski = Hordeum jubatum Linnaeus
murinum (Linnaeus) Löve = Hordeum murinum Linnaeus subsp. glaucum (Steudel) Tsvelev
murinum (Linnaeus) Löve subsp. *leporinum* (Link) Löve = Hordeum murinum Linnaeus subsp. leporinum (Link) Arcangeli
pusillum (Nuttall) Löve = Hordeum pusillum Nuttall

Crypsis pricklegrass

Hammel, B.E. & J.R. Reeder. 1979. The genus *Crypsis* (Gramineae) in the United States. Syst. Bot. 4:267-280.
Sivinski, R.C. & K. Heil. 2004. Plant distribution reports. The New Mexico Botanist 31:2. [*Crypsis schoenoides*]

****schoenoides*** (Linnaeus) Lamarck [Sivinski & Heil 2004]
swampgrass

Cynodon Bermudagrass

DeWet, J.M.J. & J.R. Harlan. 1970. Biosystematics of *Cynodon* L.C. Rich (Gramineae). Taxon 19:565-569.
Mitich, L.W. 1989. History and taxonomy of bermudagrass. Proc. Calif. Weed Conference 41:181-188.

****dactylon*** (Linnaeus) Persoon [Allred 2005; M&H; W&S]
Bermudagrass
Capriola dactylon (Linnaeus) Kuntze

Cynosurus dog's-tail grass

Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233. [*Cynosurus echinatus*]

****echinatus*** Linnaeus
bristly dog's-tail grass

Dactylis orchardgrass

****glomerata*** Linnaeus [Allred 2005; M&H; W&S]
orchardgrass

Dactyloctenium crowfoot

****aegyptium*** (Linnaeus) Willdenow [Allred 2005]
Durban crowfoot

Danthonia danthonia

Baeza-P., C.M. 1996. Los generos *Danthonia* A.P. de Candolle y *Rytidosperma* Steudel (Poaceae) en America: una revision. Sendtnera 3:11-93.
Clay, K. 1983. Variation in the degree of cleistogamy within and among species of the grass *Danthonia*. Amer. J. Bot. 70:835-843.
Darbyshire, S.J. 2003. "*Danthonia*," pp. 301-306. IN: Flora of North America, vol. 25. Oxford University Press.
Darbyshire, S.J. & J. Cayouette. 1989. The biology of Canadian weeds. 92. *Danthonia spicata* (Linnaeus) Beauvois in Roem. & Schult. Canad. J. Plant Sci. 69:1217-1233.

californica Bolander : Reported by Allred (1993), Darbyshire (2003), & M&H, but no validating specimens have ever been found; these reports refer to Danthonia parryi Scribner.

intermedia Vasey [Allred 2005; M&H]
timber danthonia

parryi Scribner [Allred 2005; M&H; W&S]
Parry's danthonia

spicata (Linnaeus) Beauvois ex Roemer & J.A. Schultes [Allred 2005; M&H; W&S]
poverty danthonia

Dasyochloa fluffgrass

Valdés-R., J. & S.L. Hatch. 1995. Anatomical study of *Erioneuron* and *Dasyochloa* (Poaceae: Chloridoideae: Eragrostideae) in North America. Sida 16(3):413-426.
Valdés-R. & S.L. Hatch. 1997. A revision of *Erioneuron* and *Dasyochloa* (Poaceae: Eragrostideae). Sida 17(4):645-666.

pulchella (Kunth) Willdenow ex Rydberg [Allred 2005; M&H; W&S]
fluffgrass
Erioneuron pulchellum (Kunth) Tateoka
Tridens pulchellus (Kunth) Hitchcock
Triodia pulchella Kunth

Deschampsia hairgrass

Kawano, S. 1963. Cytogeography and evolution of the *Deschampsia caespitosa* complex. Can. J. Bot. 41:719-742.

alpicola Rydberg = Deschampsia cespitosa (Linnaeus) Beauvois

cespitosa (Linnaeus) Beauvois [Allred 2005; M&H; W&S]

tufted hairgrass

Deschampsia alpicola Rydberg

****danthonioides*** (Trinius) Munro ex Bentham [Allred 2005]

annual hairgrass

Desmazeria rigida (Linnaeus) Tutin = Catapodium rigidum (Linnaeus) C.E. Hubbard ex Dony

Dichanthelium rosettegrass

Aliscioni, S.S., L.M. Giussani, F.O. Zuloaga, & E.A. Kellogg. 2003. A molecular phylogeny of *Panicum* (Poaceae: Paniceae): tests of monophyly and phylogenetic placement within the Panicoideae. Amer. J. Bot. 90:796-821.

Brown, W.V. & B.N. Smith. 1975. The genus *Dichanthelium* (Gramineae). Bull. Torrey Bot. Club 102:10-13.

Clark, C.A. & F.W. Gould. 1975. Some epidermal characteristics of paleas of *Dichanthelium*, *Panicum*, and *Echinochloa*. Amer. J. Bot. 62:743-748.

Freckmann, R.W. & M.G. Lelong. 2002. Nomenclatural changes and innovations in *Panicum* and *Dichanthelium* (Poaceae: Paniceae). Sida 20(1):161-174.

Gould, F.W. & C.A. Clark. 1978. *Dichanthelium* (Poaceae) in the United States and Canada. Ann. Missouri Bot. Gard. 65:1088-1132.

Spellenberg, R.W. 1975. Synthetic hybridization and taxonomy of western North American *Dichanthelium*, group *Lanuginosa* (Poaceae). Madroño 23:134-153.

Webster, R.D. 1988. Genera of the North American Paniceae (Poaceae: Panicoideae). Syst. Bot. 13(4):576-609.

Zuloaga, F.O., R.P. Ellis, & O. Morrone. 1993. A revision of *Panicum* subg. *Dichanthelium* sect. *Dichanthelium* (Poaceae: Panicoideae: Paniceae) in Mesoamerica, the West Indies, and South America. Ann. Missouri Bot. Gard. 80:119-190.

acuminatum (Swartz) Gould & Clark var. ***acuminatum*** [Allred 2005; M&H]

wooly rosettegrass

Panicum acuminatum Swartz

Panicum huachucae Ashe var. *fasciculatum* (Torrey) F.T.Hubbard

Panicum huachucae Ashe var. *huachucae*

Panicum lanuginosum Elliott

Panicum lanuginosum Elliott var. *lindheimeri* (Nash) Fernald

Panicum lindheimeri Nash

Panicum tennesseense Ashe

linearifolium of earlier NM works = Dichanthelium perlongum (Nash) Freckmann

oligosanthes (Schultes) Gould var. ***scribnerianum*** (Nash) Gould [Allred 2005; M&H; W&S]

Scribner's rosettegrass

Panicum helleri Nash

Panicum oligosanthes Schultes var. *helleri* (Nash) Fernald

Panicum oligosanthes Schultes var. *scribnerianum* (Nash) Fernald

Panicum scribnerianum Nash

oligosanthes (Schultes) Gould var. *wilcoxianum* (Vasey) Gould & Clark = Dichanthelium wilcoxianum Vasey

perlongum Nash [Allred 2005]

long-stalked rosettegrass

Dichanthelium linearifolium of earlier NM works

Panicum perlongum Nash

wilcoxianum (Vasey) Freckmann [Allred 2005; M&H]

Wilcox's rosettegrass

Dichanthelium oligosanthes (Schultes) Gould var. *wilcoxianum* (Vasey) Gould & Clark

Panicum wilcoxianum Vasey

Digitaria crabgrass

Gould, F.W. 1963. Cytotaxonomy of *Digitaria sanguinalis* and *D. adscendens*. Brittonia 15:241-244.

Henrard, J.T. 1950. Monograph of the genus *Digitaria*. Universitare Pers, Leiden.

Webster, R.D. 1987. Taxonomy of *Digitaria* section *Digitaria* in North America (Poaceae: Paniceae). Sida 12(1):209-222.

Webster, R.D. & S.L. Hatch. 1981. Taxonomic relationships of Texas specimens of *Digitaria ciliaris* and *D. bicornis* (Poaceae). Sida 9:34-42.

Wipff, J.K. 2001. Nomenclatural change in the *Digitatia cognata* complex (Poaceae: Paniceae). Sida 19(4):923-924.

Wipff, J.K. & S.L. Hatch. 1988. Nomenclatural changes in *Taeniatherum* and *Digitaria* (Poaceae). Sida 13(1):119-121.

Wipff, J.K. & S.L. Hatch. 1994. A systematic study of *Digitaria* sect. *Pennatae* (Poaceae: Paniceae) in the New World. Syst. Bot. 19:613-627.

californica (Bentham) Henrard [Allred 2005; M&H; W&S]

Arizona cottontop

Trichachne californica (Bentham) Chase

Valota saccharata (Buckley) Chase

****ciliaris*** (Retzius) Koeler [Allred 2005]

southern crabgrass

cognata (Schultes) Pilger subsp. *pubiflora* (Vasey ex L.H. Dewey) Wipff = Digitaria pubiflora (Vasey ex L.H. Dewey) Wipff

****eriantha*** Steudel [Allred 2005]

pangola grass

****ischaemum*** (Schreber) Schreber ex Muhlenberg [Allred 2005]

smooth crabgrass

pubiflora (Vasey ex L.H. Dewey) Wipff [Allred 2005; M&H; W&S; Wipff & Hatch 1994]

fall witchgrass

Digitaria cognata (Schultes) Pilger subsp. *pubiflora* (Vasey ex L.H. Dewey) Wipff

Leptoloma cognatum (Schultes) Chase subsp. *pubiflora* (Vasey) Wipff & Hatch

****sanguinalis*** (Linnaeus) Scopoli [Allred 2005; M&H; W&S]

hairy crabgrass

Panicum sanguinale Linnaeus

Syntherisma sanguinale (Linnaeus) Dulac

Distichlis saltgrass

Beetle, A.A. 1943. The North American variations of *Distichlis spicata*. Bull. Torrey Bot. Club 70:638-650.

spicata (Linnaeus) Greene var. ***stricta*** (Torrey) Beetle [Allred 2005; W&S]
inland saltgrass
Distichlis stricta (Torrey) Rydberg

stricta (Torrey) Rydberg = Distichlis spicata (Linnaeus) Greene var. stricta (Torrey) Beetle

Echinochloa barnyardgrass

Costea, M. & F.J. Tardif. 2002. Taxonomy of the most common weedy European *Echinochloa* species (Poaceae: Panicoideae) with special emphasis on characters of the lemma and caryopsis. Sida 20(2):525-548.

Gould, F.W., M.A. Ali, & D.E. Fairbrothers. 1972. A revision of *Echinochloa* in the United States. Amer. Midl. Naturalist 87(1):36-59.

Wiegand, K.M. 1921. The genus *Echinochloa* in North America. Rhodora 23:49-65.

****colonum*** (Linnaeus) Link [Allred 2005; M&H; W&S]
jungle-rice

****crus-galli*** (Linnaeus) Beauvois [Allred 2005; M&H; W&S]
large barnyardgrass
Echinochloa crus-galli (Linnaeus) Beauvois var. *mitis* (Pursh) Peterm.
Echinochloa crus-galli (Linnaeus) Beauvois var. *zelayensis* (Kunth) Hitchcock
Echinochloa zelayensis (Kunth) Schultes

crus-galli (Linnaeus) Beauvois var. mitis (Pursh) Peterm. = Echinochloa crus-galli (Linnaeus) Beauvois

crus-galli (Linnaeus) Beauvois var. *zelayensis* (Kunth) Hitchcock = Echinochloa crus-galli (Linnaeus) Beauvois

crus-pavonis (Kunth) Schultes var. ***macera*** (Wiegand) Gould [Allred 2005]
gulf coast barnyardgrass

****muricata*** (Beauvois) Fernald var. ***microstachya*** Wiegand [Allred 2005]
cockspur

****muricata*** (Beauvois) Fernald var. ***muricata*** [Allred 2005]
cockspur

zelayensis (Kunth) Schultes = Echinochloa crus-galli (Linnaeus) Beauvois

Eleusine goosegrass

Phillips, S.M. 1972. A survey of the genus *Eleusine* Gaertner (Gramineae) in Africa. Kew Bull. 27:251-270.

****indica*** (Linnaeus) Gaertner [Allred 2005; M&H]
goosegrass

Elionurus balsamscale

Peterson, P.M., R.J. Soreng, & G. Davidse. 1998. (1365) Proposal to conserve the name *Elionurus* (Poaceae, Andropogoneae) with that spelling. Taxon 47(3):737-738.

barbiculmis Hackel [Allred 2005; M&H; W&S]
woolyspike balsamscale

×Elyhordeum macounii (Vasey) Barkworth & Dewey : Unstabilized hybrids between Elymus trachycaulus × Hordeum jubatum. (Boyle & Holmgren 1955).

×Elymotrigia saxicola (Scribner & Smith) Barkworth & Dewey : Unstabilized hybrids between Elymus longifolius × Elymus spicatus. (Dewey 1964).

Elymus wheatgrass, wildrye

Aung, T. & P.D. Walton. 1990. Morphology and cytology of the reciprocal hybrids between *Elymus trachycaulus* and *Elymus canadensis*. Genome 33:123-130.

Barkworth, M.E. 1994. The *Elymus trachycaulus* complex in North America: more questions than answers. Proceedings of the 2nd International Triticeae Symposium 189-198.

Barkworth, M.E., J.J.N. Campbell, & B. Salomon. 2007. *Elymus*, p. 288-343. IN: Flora of North America, vol. 24. Oxford University Press. [*Elymus villosus*]

Barkworth, M.E. & D.R. Dewey. 1985. Genomically based genera in the perennial Triticeae of North America: identification and membership. Amer. J. Bot. 72:767-776.

Baum, B.R., J.R. Estes, & P.K. Gupta. 1987. Assessment of the genomic system of classification in the Triticeae. Amer. J. Bot. 74:1388-1395.

Bowden, W.M. 1962. Cytotaxonomy of the native and adventive species of *Hordeum*, *Eremopyrum*, *Secale*, *Sitanion*, and *Triticum* in Canada. Can. J. Bot. 40:1675-1711.

Campbell, J.J.N. 2006. Two new species of *Elymus* (Poaceae) in the southern U.S.A. and other notes on North American *Elymus* species. Sida 22(1):485-494. [*Elymus hystrix*]

Church, G.L. 1967. Taxonomic and genetic relationships of eastern North American species of *Elymus* with setaceous glumes. Rhodora 69:121-162. [*Elymus hystrix*]

Dewey, D.R. 1964. Natural and synthetic hybrids of *Agropyron spicatum*×*Sitanion hystrix*. Bull. Torrey Bot. Club 91:396-405.

Dewey, D.R. 1983. Historical and current taxonomic perspectives of *Agropyron*, *Elymus*, and related genera. Crop Sci. 23:637-642.

Estes, J.R. & R.J. Tyrl. 1982. The generic concept and generic circumscription in the Triticeae: an end paper. IN J.R. Estes, R.J. Tyrl, & J.N. Brunken (eds.), Grasses and Grasslands. p. 145-164. Univ. Oklahoma Press. Norman, Oklahoma.

Gabel, M.L. 1984. A biosystematic study of the genus *Elymus* (Gramineae: Triticeae) in Iowa. Proc. Iowa Acad. Sci. 91(4):140-146.

Holmgren, A.H. & N.H. Holmgren. 1977. Tribe 3. Triticeae, pp. 292-336. IN: Intermountain Flora, vol. 6. New York Botanical Garden.

Jarvie, J.K. 1992. Taxonomy of *Elytrigia* sect. *Caespitosae* and sect. *Junceae* (Gramineae: Triticeae). Nordic J. Bot. 12:155-169.

Jarvie, J.K. & M.E. Barkworth. 1992. Morphological variation and genome constitution in some perennial Triticeae. Bot. J. Linnean Soc. 108(2):167-180.

Melderis, A. 1978. Taxonomic notes on the tribe Triticeae (Gramineae), with special reference to the genera *Elymus* L. sensu lato, and *Agropyron* Gaertner sensu lato. Bot. J. Linn. Soc. 76:369-384.

Runemark, H. & W.K. Heneen. 1968. *Elymus* and *Agropyron*, a problem of generic delimitation. Bot. Notiser 121:51-79.

Wilson, F.D. 1963. Revision of *Sitanion* (Triticeae, Gramineae). Brittonia 15:303-323.

alaskanus (Scribner & Merrill) A. Löve subsp. *latiglumis* (Scribner & J.G. Smith) A. Löve = Elymus trachycaulis (Link) Gould subsp. violaceus (Hornemann) A.& D. Löve

ambiguus Vasey & Scribner = Leymus ambiguus (Vasey & Scribner) D.R. Dewey

arizonicus (Scribner & Smith) Gould [Allred 2005; M&H; W&S]

Arizona wheatgrass
Agropyron arizonicum Scribner & Smith
Agropyron spicatum (Pursh.) Scribner & Smith var. *arizonicum* (Scribner & Smith) Jones
Elytrigia arizonica (Scribner & Smith) Dewey
Pseudoroegneria arizonica (Scribner & Smith) Löve
bakeri (E. Nelson) Löve [Allred 2005; M&H; W&S]
Baker's wheatgrass
Agropyron bakeri E. Nelson
brachystachys Scribner & Ball = Elymus canadensis Linnaeus
canadensis Linnaeus var. *brachystachys* (Scribner & Ball) Farwell = Elymus canadensis Linnaeus
canadensis Linnaeus var. *interruptus* (Buckley) Church = Elymus interruptus Buckley
canadensis Linnaeus [Allred 2005; M&H; W&S]
Canada wildrye
Elymus brachystachys Scribner & Ball
Elymus canadensis Linnaeus var. *brachystachys* (Scribner & Ball) Farwell
Elymus canadensis Linnaeus var. *robustus* (Scribner & Smith) Mackenzie & Bush
Elymus robustus Scribner & Smith
canadensis Linnaeus var. *robustus* (Scribner & Smith) Mackenzie & Bush = Elymus canadensis Linnaeus
cinereus Scribner & Merrill = Leymus cinereus (Scribner & Merrill) Löve
****elongatus*** (Host) Runemark subsp. ***elongatus*** [Allred 2005]
tall wheatgrass
Agropyron elongatum (Host) Beauvois
Elytrigia elongata (Host) Nevski
Thinopyron elongatum (Host) Barkworth & Dewey
Triticum elongatum Host
****elongatus*** (Host) Runemark subsp. ***ponticus*** (Podpěra) Melderis [Allred 2005]
tall wheatgrass
Elytrigia pontica (Podpěra) Holub
Lophopyrum ponticum (Podpěra) Löve
Thinopyron ponticum (Podpěra) Barkworth & Dewey
Triticum ponticum Podpěra
elymoides (Rafinesque) Swezey [Allred 2005]
bottlebrush squirreltail
Sitanion californicum J.G. Smith
Sitanion hystrix (Nuttall) J. S. Smith in part
glaucus Buckley [Allred 2005; M&H; W&S]
blue wildrye
****hispidus*** (Opiz) Melderis subsp. ***barbulatus*** (Schur) Melderis [Allred 2005]
pubescent wheatgrass
Agropyron barbulatum Schur
Agropyron trichophorum (Link) Richter
Elytrigia trichophora (Link) Nevski
****hispidus*** (Opiz) Melderis subsp. ***hispidus*** [Allred 2005; M&H]
intermediate wheatgrass
Agropyron hispidum Opiz
Agropyron intermedium (Host) Beauvois
Elytrigia intermedia (Host) Nevski
Thinopyron intermedium (Host) Barkworth & Dewey
****hystrix*** Linnaeus [Campbell 2006; Church 1967] Note: This was most likely a one-time introduction that has not persisted; there are no records since that time.
eastern bottlebrush-grass
Hystrix patula Moench
interruptus Buckley [Allred 2005; M&H]
Texas wildrye
Elymus canadensis Linnaeus var. *interruptus* (Buckley) Church
junceus Fischer = Psathyrostachys juncea (Fischer) Nevski
lanceolatus (Scribner & Smith) Gould [Allred 2005; M&H]
thickspike wheatgrass, streamside wheatgrass
Agropyron dasystachyum (Hooker) Scribner [not *Elymus dasystachys* Trinius ex Ledebour]
Agropyron dasystachyum (Hooker) Scribner var. *riparium* (Scribner & Smith) Bowden
Agropyron lanceolatum Scribner & Smith
Agropyron riparium Scribner & Smith
Elymus lanceolatus (Scribner & Smith) Gould subsp. *lanceolatus* (Scribner & Smith) Barkworth
Elymus riparius (Scribner & Smith) Gould
Elytrigia dasystachya (Hooker) Nevski
lanceolatus (Scribner & Smith) Gould subsp. *lanceolatus* (Scribner & Smith) Barkworth = Elymus lanceolatus (Scribner & Smith) Gould
longifolius (Smith) Gould [Allred 2005; M&H; W&S]

longleaf squirreltail
Sitanion brevifolium J.G. Smith
Sitanion caespitosum J.G. Smith
Sitanion hystrix (Nuttall) J.S. Smith in part
Sitanion longifolium J.G. Smith
Sitanion molle J.G. Smith
Sitanion pubiflorum J.G. Smith
Sitanion rigidum sensu W&S

×macounii Vasey : Unstabilized hybrids between Elymus trachycaulus × Hordeum jubatum. (Boyle & Holmgren 1955).

×mossii (Lepage) Barkworth & D.R. Dewey : This hybrid taxon is reported for NM by Kartesz (1999), erroneously citing Allred (1993).

×***pseudorepens*** (Scribner & Smith) Barkworth & Dewey [Allred 2005]
false quackgrass
This name has been applied to unstabilized hybrid plants between *Elymus trachycaulus* × *Elymus lanceolatus* or *Elymus repens*.

***repens** (Linnaeus) Gould [Allred 2005; M&H]
quackgrass
Agropyron repens (Linnaeus) Beauvois
Elytrigia repens (Linnaeus) Nevski

riparius (Scribner & Smith) Gould = Elymus lanceolatus (Scribner & Smith) Gould

robustus Scribner & Smith = Elymus canadensis Linnaeus

salina M.E. Jones = Leymus salina (M.E. Jones) A. Löve

×saundersii Vasey : Unstabilized hybrids between Elymus longifolius × Elymus tracycaulus. (Dewey 1964).

×saxicolus Scribner & Smith : Unstabilized hybrids between Elymus longifolius × Elymus spicatus. (Dewey 1964).

scribneri (Vasey) M.E. Jones [Allred 2005; M&H; W&S]
Scribner's wheatgrass
Agropyron scribneri Vasey

simplex Scribner & Williams = Leymus triticoides (Buckley) Pilger

smithii (Rydberg) Gould [Allred 2005; M&H; W&S]
western wheatgrass
Agropyron molle (Scribner & Smith) Rydberg
Agropyron occidentale Scribner
Agropyron palmeri (Scribner & Smith) Rydberg
Agropyron smithii Rydberg
Agropyron smithii Rydberg var. *molle* (Scribner & Smith) M.E. Jones
Agropyron smithii Rydberg var. *palmeri* (Scribner & Smith) Heller
Elytrigia smithii (Rydberg) Nevski
Pascopyrum smithii (Rydberg) Löve

spicatus (Pursh) Gould [Allred 2005; M&H; W&S]
bluebunch wheatgrass
Agropyron inerme (Scribner & Smith) Rydberg
Agropyron spicatum (Pursh) Scribner & Smith
Elytrigia spicata (Pursh) Dewey
Pseodoroegneria spicata (Pursh) Löve

trachycaulus (Link) Gould ex Shinners subsp. ***novae-angliae*** (Scribner) Tsvelev [Allred 2005]
New England wheatgrass
Agropyron novae-angliae Scribner

trachycaulus (Link) Gould ex Shinners subsp. ***subsecundus*** (Link) A. & D. Löve [Allred 2005; M&H; W&S]
bearded wheatgrass
Agropyron caninum sensu M&H and W&S
Agropyron richardsonii (Trinius) Schrader
Agropyron subsecundum (Link) Hitchcock
Agropyron unilaterale Cassidy

trachycaulus (Link) Gould ex Shinners subsp. ***trachycaulus*** [Allred 2005; M&H; W&S]
slender wheatgrass
Agropyron caninum sensu M&H, sensu W&S
Agropyron pauciflorum (Schweinitz) Hitchcock
Agropyron tenerum Vasey
Agropyron trachycaulum (Link) Malte

trachycaulus (Link) Gould ex Shinners subsp. ***violaceus*** (Hornemann) A. & D. Löve [Allred 2005; W&S]
purple wheatgrass
Agropyron latiglume (Scribner & Smith) Rydberg
Agropyron violaceum (Hornemann) Lange
Elymus alaskanus (Scribner & Merrill) A. Löve subsp. *latiglumis* (Scribner & J.G. Smith) A. Löve

triticoides Buckley = Leymus triticoides (Buckley) Pilger

triticoides Buckley var. *simplex* (Scribner & Williams) Hitchcock = Leymus triticoides (Buckley) Pilger

villosus Muhlenberg ex Willdenow [Barkworth et al. 2007]
downy wildrye

virginicus Linnaeus [Allred 2005; M&H]

Virginia wildrye
Elymus virginicus Linnaeus var. *glabriflorus* (Vasey) Bush
Elymus virginicus Linnaeus var. *submuticus* Hooker
virginicus Linnaeus var. *glabriflorus* (Vasey) Bush = Elymus virginicus Linnaeus
virginicus Linnaeus var. *submuticus* Hooker = Elymus virginicus Linnaeus
Elyonurus = Elionurus
Elytrigia arizonica (Scribner & Smith) Dewey = Elymus arizonicus (Scribner & Smith) Gould
dasystachya (Hooker) Nevski = Elymus lanceolatus (Scribner & Smith) Gould
elongata (Host) Nevski = Elymus elongatus (Host) Runemark subsp. elongatus
intermedia (Host) Nevski = hispidus (Opiz) Melderis subsp. hispidus
pontica (Podpěra) Holub = Elymus elongatus (Host) Runemark subsp. ponticus (Podpěra) Melderis
repens (Linnaeus) Nevski = Elymus repens (Linnaeus) Gould
smithii (Rydberg) Nevski = Elymus smithii (Rydberg) Gould
spicata (Pursh) Dewey = Elymus spicatus (Pursh) Gould
trichophora (Link) Nevski = Elymus hispidus (Opiz) Melderis subsp. barbulatus (Schur) Melderis

Enneapogon pappusgrass

Chase, A. 1946. *Enneapogon desvauxii* and *Pappophorum wrightii*, an agrostological detective story. Madroño 8:187-189.

desvauxii Desvaux ex Beauvois [Allred 2005; M&H; W&S]
spike pappusgrass
Pappophorum wrightii S. Watson

Epicampes rigens Bentham = Muhlenbergia rigens (Bentham) Hitchcock
stricta Presl = Muhlenbergia longiligula Hitchcock

Eragrostis lovegrass

Allred, K.W. 2001. New plant distribution records. The New Mexico Botanist 19:3. [*Eragrostis frankii*]
Harvey, L.H. 1975. *Eragrostis*, pp. 177-201. IN: F.W. Gould. The Grasses of Texas. College Station, Texas: Texas A&M Press.
Hershey, A.L. & P.J. Leyendecker, Jr. 1944. Notes on plants of New Mexico -- III. Leafl. West. Bot. 4(2):21-25. [*Eragrostis hypnoides*]
Koch, S. 1974. The *Eragrostis pectinacea-pilosa* complex in North and Central America (Gramineae: Eragrostoideae). Illinois Biol. Monogr. 48:1-74.
Koch, S.D. & I.S. Vega. 1985. *Eragrostis mexicana*, *E. neomexicana*, *E. orcuttiana*, and *E. virescens*: the resolution of a taxonomic problem. Phytologia 58:377-381.
Perry, G. & J. McNeill. 1986. The nomenclature of *Eragrostis cilianensis* (Poaceae) and the contribution of Bellardi to Allioni's Flora Pedemontana. Taxon 35:696-701.
Peterson, P.M. 2003. "*Eragrostis*," pp. 65-105. IN: Barkworth, M.E., K.M. Capels, S. Long, & M.B. Piep (eds.). Flora of North America, Vol. 25. Poaceae, part 2. Oxford University Press.
Reeder, J.R. 1986. Another look at *Eragrostis tephrosanthos* (Gramineae). Phytologia 60(2):153-154.
Witherspoon, J.G. 1975. A numerical taxonomic study of the *Eragrostis intermedia* complex (Poaceae). Ph.D. dissertation, University of Montana.

arida Hitchcock = Eragrostis pectinacea (Michaux) Nees var. miserrima (Fournier) J. Reeder
****barrelieri*** Daveau [Allred 2005; M&H]
Mediterranean lovegrass
beyrichii J.G. Smith = Eragrostis secundiflora Presl subsp. oxylepis (Torrey) S.D. Koch
chloromelas Steudel = Eragrostis curvula (Schrader) Nees var. conferta Stapf
****cilianensis*** (Allioni) Lutati ex Janchen [Allred 2005; M&H; W&S]
stinkgrass
Eragrostis megastachya (Koeler) Link
ciliaris (Linneaus) R. Brown : Reported erroneously for NM in Peterson (2003); no specimens of this species are known for the state.
curtipedicellata Buckley [Allred 2005; M&H]
gummy lovegrass
****curvula*** (Schrader) Nees var. ***conferta*** Stapf [Allred 2005]
Boer lovegrass
Eragrostis chloromelas Steudel
****curvula*** (Schrader) Nees var. ***curvula*** [Allred 2005; M&H]
weeping lovegrass
diffusa Buckley = Eragrostis pectinacea (Michaux) Nees var. pectinacea
erosa Scribner [Allred 2005; M&H]
Chihuahua lovegrass
fendlerianus Steudel = Poa fendleriana (Steudel) Vasey subsp. fendleriana
****frankii*** C.A. Meyer ex Steudel [Allred 2001]
sandbar lovegrass
hypnoides (Lamarck) Britton, Sterns, & Poggenburg [Allred 2005; Hershey & Leyendecker 1944; M&H]
teal lovegrass
intermedia A.S. Hitchcock [Allred 2005; M&H]
plains lovegrass
****lehmanniana*** Nees [Allred 2005; M&H]
Lehmann lovegrass
limbata Fournier = Eragrostis mexicana Vasey subsp. mexicana
lugens Nees : Reported by M&H and W&S, but no validating specimens located (Allred 2005).
lutescens Scribner [Allred 2005]
six-weeks lovegrass
megastachya (Koeler) Link = Eragrostis cilianensis (Allioni) Vign. ex Janchen

mexicana (Hornemann) Link subsp. ***mexicana*** [Allred 2005; M&H; W&S]
Mexican lovegrass
Eragrostis limbata Fournier
Eragrostis neomexicana Vasey
neomexicana Vasey = Eragrostis mexicana Vasey
obtusiflora (Fournier) Scribner [Allred 2005; W&S]
alkali lovegrass
oxylepis (Torrey) Torrey = Eragrostis secundiflora Presl subsp. oxylepis (Torrey) S.D. Koch
palmeri S. Watson [Allred 2005]
Rio Grande lovegrass
pectinacea (Michaux) Nees ex Steudel var. ***miserrima*** (Fournier) J. Reeder [Allred 2005; M&H]
desert lovegrass
Eragrostis arida Hitchcock
Eragrostis tephrosanthos Schultes
pectinacea (Michaux) Nees ex Steudel var. ***pectinacea*** [Allred 2005; M&H; W&S]
tufted lovegrass, Carolina lovegrass
Eragrostis diffusa Buckley
Eragrostis purshii Schrader
pilosa (Linnaeus) Beauvois : Reported by M&H and W&S, but no validating specimens located (Allred 2005).
poaeoides Beauvois ex Roemer & Schultes [=Eragrostis minor Host] : Reported by M&H, but no validating specimens located. (Allred 2005).
purshii Schrader = Eragrostis pectinacea (Michaux) Nees ex Steudel
secundiflora Presl var. *capitata* (Fournier) Beetle = Eragrostis secundiflora Presl subsp. oxylepis (Torrey) S.D. Koch
secundiflora Presl subsp. ***oxylepis*** (Torrey) S.D. Koch [Allred 2005; W&S]
red lovegrass
Eragrostis beyrichii J.G. Smith
Eragrostis oxylepis (Torrey) Torrey
Eragrostis secundiflora Presl var. *capitata* (Fournier) Beetle
sessilispica Buckley [Allred 2005; W&S]
tumble lovegrass
Acamptoclados sessilispicus (Buckley) Nash
spectabilis (Pursh) Steudel [Allred 2005; M&H]
purple lovegrass
****superba*** Peyritsch [Allred 2005]
Wilman lovegrass
tephrosanthos Schultes = Eragrostis pectinacea (Michaux) Nees ex Steudel var. miserrima (Fournier) J. Reeder
trichodes (Nuttall) Wood [Allred 2005; W&S]
sand lovegrass

Eremopyrum annual wheatgrass
Bowden, W.M. 1962. Cytotaxonomy of the native and adventive species of *Hordeum*, *Eremopyrum*, *Secale*, *Sitanion*, and *Triticum* in Canada. Can. J. Bot. 40:1675-1711.
Hatch, S.L. 1977. New grass distribution records for New Mexico and the United States. Great Basin Naturalist 37(4):530-531. [*Eremopyrum triticeum*]
****triticeum*** (Gaertner) Nevski [Allred 2005; Hatch 1977]
annual wheatgrass
Agropyron triticeum Gaertner

Erianthus ravennae (Linnaeus) Beauvois = Saccharum ravennae (Linnaeus) Linnaeus

Eriochloa cupgrass
Shaw, R.B. & R.D. Webster. 1987. The genus *Eriochloa* (Poaceae: Paniceae) in North and Central America. Sida 12:165-207.
acuminata (Presl) Kunth var. ***acuminata*** [Allred 2005; M&H]
Texas cupgras
Eriochloa gracilis (Fournier) Hitchcock var. *gracilis*
acuminata (Presl) Kunth var. ***minor*** (Vasey) R.B. Shaw [Allred 2005; M&H; W&S]
Texas cupgras
Eriochloa gracilis (Fournier) A.S. Hitchcock var. *minor* (Vasey) Hitchcock
Eriochloa polystachya sensu W&S
contracta A.S. Hitchcock [Allred 2005; M&H]
prairie cupgrass
gracilis (Fournier) Hitchcock var. gracilis = Eriochloa acuminata (Presl) Kunth var. acuminata
gracilis (Fournier) Hitchcock var. *minor* (Vasey) Hitchcock = Eriochloa acuminata (Presl) Kunth var. minor (Vasey) R.B. Shaw
lemmonii Vasey & Scribner [Allred 2005]
canyon cupgrass
polystachya sensu W&S = Eriochloa acuminata (Presl) Kunth var. minor (Vasey) R.B. Shaw

Eriocoma cuspidata Nuttall = Achnatherum hymenoides (Roemer & J.A. Schultes) Barkworth

Erioneuron tridens
Valdés-R., J. & S.L. Hatch. 1995. Anatomical study of *Erioneuron* and *Dasyochloa* (Poaceae: Chloridoideae: Eragrostideae) in North America. Sida 16(3):413-426.
Valdés-R. & S.L. Hatch. 1997. A revision of *Erioneuron* and *Dasyochloa* (Poaceae: Eragrostideae). Sida 17(4):645-666.

avenaceum (Kunth) Tateoka [Allred 2005; M&H; W&S]
large-flowered tridens
Erioneuron avenaceum (Kunth) Tateoka var. *grandiflorum* (Vasey) Gould
Erioneuron grandiflorum (Vasey) Tateoka
Tridens avenaceus (Kunth) Hitchcock
Tridens grandiflorus (Vasey) Wooton & Standley
Triodia grandiflora Vasey
avenaceum (Kunth) Tateoka var. *grandiflorum* (Vasey) Gould = Erioneuron avenaceum (Kunth) Tateoka
avenaceum (Kunth) Tateoka var. *nealleyi* (Vasey) Gould = Erioneuron nealleyi (Vasey) Tateoka
grandiflorum (Vasey) Tateoka = Erioneuron avenaceum (Kunth) Tateoka
nealleyi (Vasey) Tateoka [Allred 2005; M&H; W&S]
Nealley's tridens
Erioneuron avenaceum (Kunth) Tateoka var. *nealleyi* (Vasey) Gould
Tridens nealleyi (Vasey) Wooton & Standley
pilosum (Buckley) Nash [Allred 2005; M&H; W&S]
hairy tridens
Tridens pilosus (Buckley) Hitchcock
Triodia pilosa (Buckley) Merrill
pulchellum (Kunth) Tateoka = Dasyochloa pulchella (Kunth) Willdenow ex Rydberg

Festuca fescue

Aiken, S.G. & S.J. Darbyshire. 1990. Fescue grasses of Canada. Agriculture Canada Publ. 1844/E.
Allred, K.W. 1999. New plant distribution records. The New Mexico Botanist 13:7. [*Festuca brachyphylla*, *F. calligera*, *F. earlei*, *F. trachyphylla*]
Allred, K.W. 2005. Perennial *Festuca* (Gramineae) of New Mexico. Desert Plants 21(2):3-12.
Argus, G.W. & S.G. Aiken. 1987. Noteworthy collections (New Mexico). Madroño 34:268-269. [*Festuca minutiflora*]
Auquier, P. & M. Kergulen. 1977. Un groupe embrouillé de *Festuca* (Poaceae): les taxons désignés par l'épithète "glauca" en europe occidentale et dans les régions voisines. Lejeunia (Nouv. sr.) 89:1-82.
Darbyshire, S.J. 1993. Realignment of *Festuca* subgenus *Schedonorus* with the genus *Lolium* (Poaceae). Novon 3:239-243.
Darbyshire, S.J. & L.E. Pavlick. 1997. Nomenclatural notes on North American grasses. Phytologia 82(2):73-78.
Darbyshire, S.J. & S.I. Warwick. 1992. Phylogeny of North American *Festuca* (Poaceae) and related genera using chloroplast DNA restriction site variation. Can. J. Bot. 70:2415-2429.
Frederiksen, S. 1977. The *Festuca brachyphylla* group in Greenland. Bot. Notiser 130:269-277.
Frederiksen, S. 1979. *Festuca minutiflora* Rydberg, a neglected species. Bot. Notiser 132:315-318.
Frederiksen, S. 1982. *Festuca brachyphylla*, *F. saximontana* and related species in North America. Nord. J. Bot. 2:525-536.
Reveal, J.L., E.E. Terrell, J.H. Wiersema, & H. Scholz. 1991. Proposal to reject *Festuca elatior* L. with comments on the typification of *F. pratensis* and *F. arundinacea*. Taxon 40:135-137.
Soreng, R.J. E.E. Terrell. 1997. Taxonomic notes on *Schedonorus*, a segregate genus from *Festuca* or *Lolium*, with a new nothogenus, ×*Schedololium*, and new combinations. Phytologia 83(2):85-88.
Terrell, E.E. 1967. Meadow fescue: *Festuca elatior* L. or *F. pratensis* Hudson? Brittonia 19:129-132.
Terrell, E.E. 1968. Notes on *Festuca arundinaceae* and *F. pratensis* in the United States. Rhodora 70:564-568.
Wilkinson, M.J. & C.A. Stace. 1991. A new taxonomic treatment of the *Festuca ovina* L. aggregate (Poaceae) in the British Isles. Bot. J. Linn. Soc. 106:347-397.

arizonica Vasey [Allred 2005; M&H; W&S]
Arizona fescue
****arundinacea*** Schreber [Allred 2005; M&H; W&S]
tall fescue
Festuca elatior Linnaeus
Lolium arundinaceum (Schreber) S.J. Darbyshire
Schedonorus arundinaceus (Schreber) Dumort [not *Schedonorus arundinaceus* Roemer & Schultes, an earlier homonym]
Schedonorus phoenix (Scopoli) Holub
*arvernensis Auquier, Kerguélen, & Markgraf-Dannenberg (blue fescue) : Included by Allred (2005) only as an ornamental and not known to escape.
Festuca glauca Lamarck
Festuca ovina Linnaeus var. *glauca* of authors, not (Lamarck) Koch
Festuca ovina Linnaeus var. *ovina* auct.
brachyphylla J.A. Schultes ex J.A. & J.H. Schultes subsp. brachyphylla : Reported in Roalson & Allred (1995), but this subspecies not known in NM; replaced by subsp. coloradensis Frederiksen (Allred 2005; Frederiksen 1982).
Festuca ovina Linnaeus var. *brachyphylla* (Schultes) Piper
Festuca ovina Linnaeus var. *brevifolia* (R. Brown) S. Watson
brachyphylla J.A. Schultes ex J.A. & J.H. Schultes subsp. ***coloradensis*** Frederiksen [Allred 2005; M&H; W&S]
shortleaf fescue
Festuca ovina Linnaeus var. *brachyphylla* of NM reports
Festuca ovina Linnaeus var. *brevifolia* of NM reports
brevipila Tracy = Festuca trachyphylla (Hackel) Krajina
calligera Piper [Allred 2005]
southwestern fescue
dertonensis (Allioni) Ascherson & Graebner = Vulpia bromoides (Linnaeus) S.F. Gray
earlei Rydberg [Allred 2005]
Earle's fescue
elatior Linnaeus = Festuca arundinacea Schreber
elatior of many authors = Festuca pratensis Hudson
glauca Lamarck = Festuca arvernensis Auquier, Kerguélen, & Markgraf-Dannenberg

idahoensis Elmer [Allred 2005; M&H]
Idaho fescue
Festuca ovina Linnaeus var. *ingrata* Hackel ex Beal
kingii (S. Watson) Cassidy = Leucopoa kingii (S. Watson) W.A. Weber
macrostachya Torrey & Gray = Scleropogon brevifolius Philippi
megalura Nuttall = Vulpia myuros (Linnaeus) K.C. Gmelin var. hirsuta Hackel
microstachys Nuttall var. *pauciflora* Scribner ex Beal = Vulpia microstachys (Nuttall) Munro in Bentham var. pauciflora (Scribner ex Beal) Lonard
minutiflora Rydberg [Allred 2005; Argus & Aiken 1987]
small-flowered fescue
myuros Linnaeus = Vulpia myuros (Linnaeus) K.C. Gmelin var. myuros
octoflora Walter var. *glauca* (Willdenow) Fernald = Vulpia octoflora (Walter) Rydberg var. glauca (Nuttall) Fernald
octoflora Walter var. *hirtella* Piper = Vulpia octoflora (Walter) Rydberg var. hirtella (Piper) Henrard
octoflora Walter var. *octoflora* = Vulpia octoflora (Walter) Rydberg var. octoflora
octoflora Walter var. *tenella* (Willdenow) Fernald = Vulpia octoflora (Walter) Rydberg var. glauca (Nuttall) Fernald
ovina Linnaeus var. *brachyphylla* (Schultes) Piper = Festuca brachyphylla Schultes subsp. brachyphylla
ovina Linnaeus var. *brachyphylla* of NM reports = Festuca brachyphylla Schultes subsp. coloradensis Frederiksen
ovina Linnaeus var. *brevifolia* (R. Brown) S. Watson = Festuca brachyphylla Schultes subsp. brachyphylla
ovina Linnaeus var. *brevifolia* of NM reports = Festuca brachyphylla Schultes subsp. coloradensis Frederiksen
ovina Linnaeus var. *duriuscula* of many authors, not Linnaeus s.s. = Festuca trachyphylla (Hackel) Krajina
ovina Linnaeus subsp. *eu-ovina* var. *duriuscula* (Linnaeus) Koch subvar. *trachyphylla* Hackel = Festuca trachyphylla (Hackel) Krajina
ovina Linnaeus var. *glauca* of authors, not (Lamarck) Koch = Festuca arvernensis Auquier, Kerguélen, & Markgraf-Dannenberg
ovina Linnaeus var. *ingrata* Hackel ex Beal = Festuca idahoensis Elmer
ovina Linnaeus var. ovina : Reported by M&H, but no validating specimens located.
ovina Linnaeus var. *ovina* of numerous authors = Festuca arvernensis Auquier, Kerguélen, & Markgraf-Dannenberg
ovina Linnaeus var. *rydbergii* Saint-Yves = Festuca saximontana Rydberg
pacifica Piper = Vulpia microstachys (Nuttall) Bentham var. pauciflora (Scribner ex Beal) Lonard & Gould
****pratensis*** Hudson [Allred 2005]
meadow fescue
Festuca elatior of many authors
Lolium pratense (Hudson) Darbyshire
Schedonorus pratensis (Hudson) P. Beauvois
rubra Linnaeus [Allred 2005; M&H]
red fescue
saximontana Rydberg [Allred 2005]
mountain fescue
Festuca ovina Linnaeus var. *rydbergii* Saint-Yves
sororia Piper [Allred 2005; M&H; W&S]
ravine fescue
tenella Willdenow = Vulpia octofloa (Walter) Rydberg var. glauca (Nuttall) Fernald
thurberi Vasey [Allred 2005; M&H; W&S]
Thurber's fescue
****trachyphylla*** (Hackel) Krajina [Allred 1999; Aiken & Darbyshire 1990]
hard fescue
Festuca brevipila Tracy
Festuca trachyphylla Hackel ex Druce, nomen nudum (Darbyshire & Pavlick 1997)
Festuca ovina Linnaeus subsp. *eu-ovina* var. *duriuscula* (Linnaeus) Koch subvar. *trachyphylla* Hackel
Festuca ovina Linnaeus var. *duriuscula* of many authors, not Linnaeus s.s.
trachyphylla Hackel ex Druce = Festuca trachyphylla (Hackel) Krajina

Glyceria mannagrass
Church, G.L. 1949. A cytotaxonomic study of *Glyceria* and *Puccinellia*. Amer. J. Bot. 36:155-156.
Ruiz de Esparza, R. & J. Maze. 1997. A taxonomic study of the grass genus *Glyceria* (Mannagrass) in British Columbia. Can. Field-Natural. 111(2):194-199.
borealis (Nash) Batchelder [Allred 2005; M&H; W&S]
northern mannagrass
Panicularia borealis Nash
elata (Nash ex Rydberg) M.E. Jones [Allred 2005; M&H; W&S]
tall mannagrass
Panicularia elata Nash ex Rydberg
Panicularia nervata (Willdenow) Kuntze var. *elata* (Nash ex Rydberg) Piper
grandis S. Watson [Allred 2005; M&H; W&S]
American mannagrass
Panicularia grandis (S. Watson) Nash
nervata Trinius = Glyceria striata (Lamarck) A.S. Hitchcock
pauciflora Presl = Torreyochloa pallida (Torrey) Church var. pauciflora (J.S. Presl) J.I. Davis
striata (Lamarck) A.S. Hitchcock [Allred 2005; M&H]
fowl mannagrass
Glyceria nervata Trinius

Glyceria striata (Lamarck) A.S. Hitchcock var. *stricta* (Scribner) Fernald
Panicularia nervata (Willdenow) Kuntze
striata (Lamarck) A.S. Hitchcock var. *stricta* (Scribner) Fernald = Glyceria striata (Lamarck) A.S. Hitchcock
Graphephorum flexuosum Thurber = Redfieldia flexuosa (Thurber) Vasey
wolfii (Vasey) Vasey ex Coulter = Trisetum wolfii Vasey
Gymnopogon ambiguus (Michaux) Britton, Sterns, & Poggenburg : Reported by Smith (2003) for NM, based on an 1853 collection from Doña Ana County; the species has not been found since and occurs naturally from central Texas eastward.

Hackelochloa pit-grass
***granularis** (Linnaeus) Kuntze [Allred 2005; Hitchcock & Chase 1951]
pit-grass

Helictotrichon alpine oat
Allred, K.W. 2003. Plant distribution reports. The New Mexico Botanist 28:8. [*Helictotrichon hookeri*]
hookeri (Scribner) Henrard [Allred 2003; Hitchcock & Chase 1951]
Hooker's alpine oat
Avena hookeri Scribner
Avenula hookeri (Scribner) Holub
mortonianum (Scribner) Henrard [Allred 2005; M&H]
Morton's alpine oat

Hesperochloa kingii (S. Watson) Rydberg = Leucopoa kingii (S. Watson) W.A. Weber

Hesperostipa needle-and-thread
Barkworth, M.E. 1978. A taxonomic study of the large-glumed species of *Stipa* (Gramineae) occurring in Canada. Can. J. Bot. 56(6):606-625.
Barkworth, M.E. 1993. North American Stipeae (Gramineae): Taxonomic changes and other comments. Phytologia 74(1):1-25.
comata (Trinius & Ruprecht) Barkworth subsp. ***comata*** [Allred 2005; M&H; W&S]
needle-and-thread
Stipa comata Trinius & Ruprecht
comata (Trinius & Ruprecht) Barkworth subsp. ***intermedia*** (Scribner & Tweedy) Barkworth [Allred 2005; M&H; W&S]
needle-and-thread
Stipa comata Trinius & Ruprecht var. *intermedia* Scribner & Tweedy
Stipa tweedyi Scribner
neomexicana (Thurber) Barkworth [Allred 2005; M&H; W&S]
New Mexico feathergrass
Stipa neomexicana (Thurber ex Coulter) Scribner
spartea (Trinius) Barkworth [Allred 2005; M&H; W&S]
porcupinegrass
Stipa spartea Trinius

Heteropogon tanglehead
contortus (Linnaeus) Beauvois ex Roemer & J.A. Schultes [Allred 2005; M&H; W&S]
tanglehead

Hierochloë sweetgrass
Schouten, Y. & J.F. Veldkamp. 1985. A revision of *Anthoxanthum* including *Hierochloe* (Gramineae) in Malesia and Thailand. Blumea 30:319-351.
Weimarck, G. 1971. Variation and taxonomy of *Hierochloe* (Gramineae) in the Northern Hemisphere. Bot. Not. 124:129-175.
hirta (Schrank) Borbas subsp. *arctica* (Presl) Weimarck = Hierochloë odorata (Linnaeus) Beauvois
odorata (Linnaeus) Beauvois [Allred 2005; M&H]
northern sweetgrass
Anthoxanthum nitens (Weber) Y. Schouten & Veldkamp
Hierochloe hirta (Schrank) Borbas subsp. *arctica* (Presl) Weimarck
Holcus odoratus Linnaeus
Savastana odorata (Linnaeus) Scribner

Hilaria curly mesquite
Columbus, J.T. 1993. *Pleuraphis* -- distinct from *Hilaria* (Gramineae: Chloridoideae). Amer. J. Bot. 80(suppl.):138-139.
Columbus, J.T. & M.A. Peot. 1993. Revisionary studies in *Hilaria* (Gramineae: Chloridoideae): the annual species. Amer. J. Bot 80(suppl.):139.
Cory, V.L. 1948. Curly mesquite grass in Texas and northern Mexico. Wrightia 1(4):214-217.
Sohns, E.R. 1956. The genus *Hilaria* (Gramineae). J. Wash. Acad. Sci. 46:311-321.
belangeri (Steudel) Nash [Allred 2005; M&H; W&S]
curly mesquite
Anthephora belangeri Steudel
Hilaria texana Nash
Hilaria cenchroides Kunth
cenchroides Kunth = Hilaria belangeri (Steudel) Nash
jamesii (Torrey) Bentham = Pleuraphis jamesii Torrey
mutica (Buckley) Bentham = Pleuraphis mutica Buckley
rigida (Thurber) Bentham ex Scribner = Pleuraphis rigida Thurber in S. Watson
swallenii Cory [Allred 2005]
Swallen's curly mesquite
texana Nash = Hilaria belangeri (Steudel) Nash

Holcus velvetgrass
halapensis Linnaeus = Sorghum halapense (Linnaeus) Persoon

*__lanatus__ Linnaeus [Allred 2005; M&H; W&S]
common velvetgrass
odoratus = Hierochloë odorata (Linnaeus) Beauvois

__Hordeum__ barley

Baden, C. & R. von Bothmer. 1994. A taxonomic revision of *Hordeum* sect. *Critesion*. Nordic J. Bot. 14(2):117-136.
Bothmer, von, R., N. Jacobsen, C. Baden, R.B. Jørgensen, and I. Linde-Laursen. 1995. An ecogeographical study of the genus *Hordeum*. 2nd edition. Systematic and Ecogeographic Studies on Crop Genepools 7. International Plant Genetic Resources Institute, Rome.
Bowden, W.M. 1962. Cytotaxonomy of the native and adventive species of *Hordeum*, *Eremopyrum*, *Secale*, *Sitanion*, and *Triticum* in Canada. Can. J. Bot. 40:1675-1711.
Baum, B.R. 1980. Multivariate morphometric relationships between *Hordeum jubatum* and *Hordeum brachyantherum* in Canada and Alaska. Can. J. Bot. 58(6):604-623.
Baum, B.R. 1983. Morphometric relationships in *Hordeum vulgare* (Triticeae, Poaceae). II. *Hordeum agriocrithon*, *H. distichum*, *H. lagunculiforme*, *H. spontaneum*, and *H. vulgare*. Can. J. Bot. 61(7):2023-2031.
Baum, B.R. 1988. A taxonomic investigation of *Hordeum arizonicum* (Poaceae: Triticeae) with reference to related species. Can. J. Bot. 66:1848-1855.
Baum, B.R. & L.G. Bailey. 1990. Key and synopsis of North American *Hordeum* species. Can. J. Bot. 68:2433-2442.
Bothmer, R.N., N. Jacobson, R.B. Jorgensen, & E. Nicora. 1982. Revision of the *Hordeum pusillum* group. Nordic J. Bot. 2:307-321.
Boyle, W.S. & A.H. Holmgren. 1955. A cytogenetic study of natural and controlled hybrids between *Agropyron trachycaulum* and *Hordeum jubatum*. Genetics 40:539-545.
Jacobsen, N. & R. von Bothmer. 1995. Taxonomy in the *Hordeum murinum* complex (Poaceae). Nordic J. Bot. 15(5):449-458.

*__arizonicum__ Covas [Allred 2005]
Arizona barley
Critesion arizonicum (Covas) Löve

__brachyantherum__ Nevski [Allred 2005; M&H; W&S]
meadow barley
Critesion brachyantherum (Nevski) Barkworth & Dewey
Hordeum nodosum of authors, not Linnaeus

caespitosum Scribner = Hordeum jubatum Linnaeus subsp. intermedium Bowden
distichon Linnaeus = Hordeum vulgare Linnaeus
glaucum Steudel = Hordeum murinum Linnaeus subsp. glaucum (Steudel) Tsvelev
jubatum Linnaeus var. *caespitosum* (Scribner) Hitchcock = Hordeum jubatum Linnaeus subsp. intermedium Bowden

__jubatum__ Linnaeus subsp. __intermedium__ Bowden [Allred 2005; Baden & Bothmer 1994; M&H; W&S]
foxtail barley
Hordeum caespitosum Scribner
Hordeum jubatum Linnaeus var. *caespitosum* (Scribner) Hitchcock

__jubatum__ Linnaeus subsp. __jubatum__ [Allred 2005; M&H; W&S]
foxtail barley
Critesion jubatum (Linnaeus) Nevski

leporinum Link = Hordeum murinum Linnaeus subsp. leporinum (Link) Arcangeli

*__murinum__ Linnaeus subsp. __glaucum__ (Steudel) Tsvelev [Allred 2005; M&H; W&S]
wall barley
Critesion murinum (Linnaeus) Löve
Hordeum glaucum Steudel
Hordeum stebbinsii Covas

*__murinum__ Linnaeus subsp. __leporinum__ (Link) Arcangeli [Allred 2005; M&H]
hare barley
Critesion murinum (Linnaeus) Löve subsp. *leporinum* (Link) Löve
Hordeum leporinum Link

nodosum of authors, not Linnaeus = Hordeum brachyantherum Nevski

__pusillum__ Nuttall [Allred 2005; M&H]
little barley
Critesion pusillum (Nuttall) Löve
Hordeum pusillum Nuttall var. *pubens* A.S. Hitchcock

pusillum Nuttall var. *pubens* A.S. Hitchcock = Hordeum pusillum Nuttall
stebbinsii Covas = Hordeum murinum Linnaeus subsp. glaucum (Steudel) Tsvelev
trifurcatum = Hordeum vulgare Linnaeus

*__vulgare__ Linnaeus [Allred 2005; M&H]
barley
Hordeum distichon Linnaeus
Hordeum trifurcatum (Schlechtendal) Wenderoth

Hystrix patula Moench = Elymus hystrix Linnaeus

__Imperata__ satintail

__brevifolia__ Vasey [Allred 2005; M&H]
satintail

*cylindrica (Linnaeus) Beauvois var. koenigii (Retzius) T. Durand & Schinz (Japanese bloodgrass, 'Red Baron') : Cultivated as an ornamental landscape plant; not known to occur in the wild in NM.

__Jarava__

__speciosa__ (Trinius & Ruprecht) Peñailillo [Allred & Heil 2000; M&H; W&S]
desert needlegrass
Achnatherum speciosum (Trinius & Ruprecht) Barkworth

Stipa speciosa Trinius & Ruprecht

Koeleria Junegrass

Arnow, L.A. 1994. *Koeleria macrantha* and *K. pyramidata* (Poaceae): nomenclatural problems and biological distinctions. Syst. Bot. 19(1):6-20.
Greuter, W. 1968. Notulae nomenclaturales et bibliographicae 1-4. Candollea 23:81-108.
Shinners, L.H. 1956. Illegitimacy of Persoon's species of *Koeleria* (Gramineae). Rhodora 58:93-96.

cristata of many authors = Koeleria macrantha (Ledebour) Schultes

macrantha (Ledebour) J.A. Schultes [Allred 2005; M&H; W&S]
Junegrass
Koeleria cristata of many authors
Koeleria nitida Nuttall

nitida Nuttall = Koeleria macrantha (Ledebour) J.A. Schult

Lagurus hare's tail

Allred, K. 2004. Plant distribution reports. The New Mexico Botanist 31:1. [*Lagurus ovatus*]

****ovatus*** Linnaeus [Allred 2004]
hare's tail

Leersia cutgrass

Pyrah, G.L. 1969. Taxonomic and distributional studies in *Leersia* (Gramineae). Iowa St. J. Sci. 44:215-270.

oryzoides (Linnaeus) Swartz [Allred 2005; M&H]
rice cutgrass

Leptochloa sprangletop

McNeill, J. 1979. *Diplachne* and *Leptochloa* (Poaceae) in North America. Brittonia 31:399-404.
Snow, N. 1998. Nomenclatural changes in *Leptochloa* P. Beauvois sensu lato (Poaceae, Chloridoideae). Novon 8:77-80.
Snow, N. & G. Davidse. 1993. *Leptochloa mucronata* (Michaux) Kunth is the correct name for *Leptochloa filiformis* (Poaceae). Taxon 42(2):413-417.

dubia (Kunth) Nees [Allred 2005; M&H; W&S]
green sprangletop

fascicularis (Lamarck) Gray = Leptochloa fusca (Linnaeus) Kunth subsp. fascicularis (Lamarck) N. Snow

filiformis (Lamarck) Beauvois = Leptochloa panicea (Retzius) Ohwi subsp brachiata (Steudel) N. Snow

fusca (Linnaeus) Kunth subsp. ***fascicularis*** (Lamarck) N. Snow [Allred 2005; M&H; W&S]
bearded sprangletop
Leptochloa fascicularis (Lamarck) Gray

fusca (Linnaeus) Kunth subsp. ***uninervia*** (J. Presl) N. Snow [Allred 2005; M&H]
Mexican sprangletop
Leptochloa *uninervia* (J. Presl) A.S. Hitchcock & Chase

mucronata of NM authors = Leptochloa panicea (Retzius) Ohwi subsp brachiata (Steudel) N. Snow

nealleyi Vasey : Reported by W&S, but this is a species of the coastal prairies of Texas and Louisiana and not present in NM.

panicea (Retzius) Ohwi subsp. ***brachiata*** (Steudel) N. Snow [Allred 2005; M&H; W&S]
red sprangletop
Leptochloa filiformis (Lamarck) Beauvois
Leptochloa mucronata of NM authors

uninervia (J. Presl) A.S. Hitchcock & Chase = Leptochloa fusca (Linnaeus) Kunth subsp. uninervia (J. Presl) N. Snow

viscida (Scribner) Beal [Allred 2005; M&H]
gum sprangletop

Leptoloma cognatum (Schultes) Chase subsp. *pubiflora* (Vasey) Wipff = Digitaria pubiflora (Vasey) Wipff

Lepturus paniculatus Nuttall = Schedonnardus paniculatus (Nuttall) Trelease

Leucopoa spike fescue

Hall, H.H. & S. Flowers. 1961. Vascular plants found in the Navajo Reservoir Basin, pp. 47-87. IN: D.M. Pendergast (ed.). Ecological studies of the flora and fauna of Navajo Reservoir Basin, Colorado and New Mexico. Univ. Utah Anthropological Papers, number 55. [*Hesperochloa kingii*]

kingii (S. Watson) W.A. Weber [Hall & Flowers 1961]
spike fescue
Festuca kingii (S. Watson) Cassidy
Hesperochloa kingii (S. Watson) Rydberg
Poa kingii S. Watson

Leymus wildrye

Allred, K.W. 2001. New plant distribution records. The New Mexico Botanist 18:3. [*Leymus cinereus*]
Atkins, R.J., M.E. Barkworth, & D.R. Dewey. 1984. A taxonomic study of *Leymus ambiguus* and *L. salinus* (Poaceae:Triticeae). Syst. Bot. 9:279-294.
Barkworth, M.E. & R.J. Atkins. 1984. *Leymus* Hochst. (Gramineae: Triticeae) in North America: Taxonomy and distribution. Amer. J. Bot. 71:609-625.
Hall, H.H. & S. Flowers. 1961. Vascular plants found in the Navajo Reservoir Basin, pp. 47-87. IN: D.M. Pendergast (ed.). Ecological studies of the flora and fauna of Navajo Reservoir Basin, Colorado and New Mexico. Univ. Utah Anthropological Papers, number 55.
Hatch, S.L. 1976. A taxonomic evaluation of *Elymus simplex* (Poaceae). Great Basin Naturalist 36(2):239-241.

ambiguus (Vasey & Scribner) D.R. Dewey [Allred 2005]
Rocky Mountain wildrye
Elymus ambiguus Vasey & Scribner

****cinereus*** (Scribner & Merrill) Löve [Allred 2001]
Great Basin wildrye
Elymus cinereus Scribner & Merrill

condensatus (J. Presl) A. Löve : Reported by Hall & Flowers (1961); most likely refers to Leymus cinereus (Scribner & Merrill) Löve; awaits verification.

salina (M.E. Jones) A. Löve [Allred 2005]

Salina wildrye
Elymus salina M.E. Jones
triticoides (Buckley) Pilger [Allred 2005; M&H; W&S]
creeping wildrye
Elymus simplex Scribner & Williams
Elymus triticoides Buckley
Elymus triticoides Buckley var. *simplex* (Scribner & Williams) Hitchcock

Lolium ryegrass

Aiken, S.G., S.E. Gardiner, H.C.M. Bassett, B.L. Wilson, L.L. Conaul. 1998. Implications from SDS-PAGE analyses of seed proteins in the classification of taxa of *Festuca* and *Lolium* (Poaceae). Biochemical Systematics and Ecology 26:511-533.
Bulinska-Radomska, Z. & R.N. Lester. 1988. Intergeneric relationships of *Lolium*, *Festuca*, and *Vulpia* (Poaceae) and their phylogeny. Pl. Syst. Evol. 159:217-227.
Darbyshire, S.J. 1993. Realignment of *Festuca* subgenus *Schedonorus* with the genus *Lolium* (Poaceae). Novon 3:239-243.
Soreng, R.J. E.E. Terrell. 1997. Taxonomic notes on *Schedonorus*, a segregate genus from *Festuca* or *Lolium*, with a new nothogenus, ×*Schedololium*, and new combinations. Phytologia 83(2):85-88.

arundinaceum (Schreber) S.J. Darbyshire = Festuca arundinacea Schreber
multiflorum Lamarck = Lolium perenne Linnaeus var. aristatum Willdenow
perenne Linnaeus var. ***aristatum*** Willdenow [Allred 2005; M&H]
Italian ryegrass
Lolium multiflorum Lamarck
Lolium perenne Linnaeus subsp. *italicum* (A. Braun) Syme
perenne Linnaeus subsp. *italicum* (A. Braun) Syme = Lolium perenne Linnaeus var. aristatum Willdenow
perenne Linnaeus var. ***perenne*** [Allred 2005; M&H; W&S]
perennial ryegrass
pratense (Hudson) S.J. Darbyshire = Festuca pratensis Hudson
rigidum Gaudin : Reported as expected by M&H; awaits verification.
temulentum Linnaeus [Allred 2005; M&H]
poison darnel

Lophopyrum ponticum (Podpěra) Löve = Elymus elongatus (Host) Runemark subsp. ponticus (Podpěra) Melderis

Lycurus wolftail

Peterson, P.M. & O. Morrone. 1997. Allelic variation in the amphitropical disjunct *Lycurus setosus* (Poaceae: Muhlenbergiinae). Madroño 44(4):334-346.
Reeder, C.G. 1985. The genus *Lycurus* (Gramineae) in North America. Phytologia 57:283-291.
Sanchez, E. & Z.E. Rugolo de Agrasar. 1986. Estudio taxonomico sobre el genero *Lycurus* (Gramineae). Parodiana 4(2):267-310.

phleoides Kunth [Allred 2005; Reeder 1985; W&S]
common wolftail
phleoides Kunth var. *glaucifolius* Beal = Lycurus setosus (Nuttall) C. Reeder
schaffneri (Fournier) Mez = Muhlenbergia depauperata Scribner
setosus (Nuttall) C. Reeder [Allred 2005; Reeder 1985]
bristly wolftail
Lycurus phleoides Kunth var. *glaucifolius* Beal

Melica melica

Boyle, W.S. 1945. A cytotaxonomic study of the North American species of *Melica*. Madroño 8:1-26.

nitens (Scribner) Nuttall ex Piper [Allred 2005; M&H]
three-flower melica
porteri Scribner var. ***laxa*** Boyle [Allred 2005]
Porter's melica
porteri Scribner var. ***porteri*** [Allred 2005; M&H; W&S]
Porter's melica

Melinis melinis

McIntosh, L. 1985. Noteworthy collections (New Mexico). Madroño 32:192. [R*hynchelytrum repens*]
Zizka, G. 1987. Revision der Melinideae Hitchcock (Poaceae, Panicoideae). Bibl. Bot. 138:1-149.

repens (Willdenow) Zizka [Allred 2005]
Natal grass, ruby grass, molasses grass
Rhynchelytrum repens (Willdenow) C.E. Hubbard
Rhynchelytrum roseum (Nees) Bews

*Miscanthus sinensis Andersson (Eulalia) : Included by Allred (2005) only as an ornamental and not known to escape.

Monroa = see Munroa

Muhlenbergia muhly

Dorr, L.J. and P.M. Peterson. 1993. Typification of two Buckley grass names revisted: *Muhlenbergia texana* and *M. monticola* (Poaceae). Sida 15(4):589-591.
Hatch, S.L. 1977. New grass distribution records for New Mexico and the United States. Great Basin Naturalist 37(4):530-531. [*Muhlenbergia villiflora villosa*]
Herrera-A., Y. 1998. A revision of the *Muhlenbergia montana* (Nuttall) Hitchcock complex (Poaceae: Chloridoideae). Brittonia 50(1):23-50.
Johnson, S. 2002. New plant distribution records. The New Mexico Botanist 21:2. [*Muhlenbergia eludens*]
Morden, C.W. 1995. A new combination in *Muhlenbergia* (Poaceae). Phytologia 79(1):28-30.
Morden, C.W. & S.L. Hatch. 1996. Morphological variation and synopsis of the *Muhlenbergia repens* complex (Poaceae). Sida 17(2):349-365.
Peterson, P.M. & C.R. Annable. 1991. Systematics of the annual species of *Muhlenbergia* (Poaceae-Eragrostideae). Syst. Bot. Monogr. 31:1-109.
Pohl, R.W. 1969. *Muhlenbergia*, subgenus *Muhlenbergia* (Gramineae) in North America. Amer. Midl. Naturalist 82:512-542.
Reeder, C.G. 1949. *Muhlenbergia minutissima* (Steudel) Swallen and its allies. J. Wash. Acad. Sci. 39:363-367.
Reeder, C.G. & J.R. Reeder. 1995. The resurrection of a species; Muhlenbergia straminea (Gramineae). Phytologia 78(6):417-427.
Soderstrom, T.R. 1967. Taxonomic study of subgenus *Podosemum* and section *Epicampes* of *Muhlenbergia* (Gramineae). Contr. U.S. Natl. Herb. 34:75-189.
Swallen, J.R. 1947. The awnless annual species of *Muhlenbergia*. Contrib. U.S. Nat. Her. 29:203-208.

acuminata Vasey = Muhlenbergia dubia Fournier

affinis Trinius = Muhlenbergia rigida (Kunth) Trinius
andina (Nuttall) A.S. Hitchcock [Allred 2005; M&H; W&S]
foxtail muhly
Muhlenbergia comata (Thurber) Bentham
arenacea (Buckley) A.S. Hitchcock [Allred 2005; M&H; W&S]
ear muhly
Sporobolus auriculatus Vasey
arenicola Buckley [Allred 2005; M&H; W&S]
sand muhly
arizonica Scribner [Allred 2005]
Arizona muhly
arsenei A.S. Hitchcock [Allred 2005; M&H]
Arsene's muhly
asperifolia (Nees & Meyer ex Trinius) Parodi [Allred 2005; M&H; W&S]
scratchgrass
Sporobolus asperifolius (Nees & Meyer ex Trinius) Nees
brevis C.O. Goodding [Allred 2005; M&H]
short muhly
*capillaris (Lamarck) Trinius (pink muhly) : Grown as an ornamental landscape grass, not known to escape to the wild.
comata (Thurber) Bentham = Muhlenbergia andina (Nuttall) Hitchcock
cuspidata (Torrey ex Hooker) Rydberg [Allred 2005; M&H; W&S]
plains muhly
depauperata Scribner [Allred 2005; M&H; W&S]
sixweeks muhly
Muhlenbergia schaffneri Fournier
Lycurus schaffneri (Fournier) Mez
dubia Fournier ex Hemsley [Allred 2005; M&H; W&S]
pine muhly
Muhlenbergia acuminata Vasey
eludens C.G. Reeder [Allred 2005; Johnson 2002; M&H]
gravel-bar muhly
emersleyi Vasey [Allred 2005; M&H; W&S]
bullgrass
filiculmis Vasey [Allred 2005; M&H]
slimstem muhly
filiformis (Thurber ex S. Watson) Rydberg [Allred 2005; M&H]
pull-up muhly
fragilis Swallen [Allred 2005; M&H]
delicate muhly
glauca (Nees) B.D. Jackson [Allred 2005; M&H; W&S]
desert muhly
Muhlenbergia lemmonii Scribner
gracillima Torrey = Muhlenbergia torreyi (Kunth) Hitchcock
lemmonii Scribner = Muhlenbergia glauca (Nees) Mez
longiligula A.S. Hitchcock [Allred 2005; M&H; W&S]
longtongue muhly
Epicampes stricta Presl
metcalfei M.E. Jones [Allred 2005; W&S]
Metcalfe's muhly
mexicana (Linnaeus) Trinius forma *ambigua* (Torrey) Fernald = Muhlenbergia mexicana (Linnaeus) Trinius var. filiformis (Torrey) Scribner
mexicana (Linnaeus) Trinius var. ***mexicana*** [Allred 2005; M&H; W&S]
Mexican muhly
mexicana (Linnaeus) Trinius var. ***filiformis*** (Torrey) Scribner [Allred 2005]
Mexican muhly
Muhlenbergia mexicana (Linnaeus) Trinius forma *ambigua* (Torrey) Fernald
minutissima (Steudel) Swallen [Allred 2005; M&H; W&S]
least muhly
Agrostis minutissima Steudel
Sporobolus confusus auct.
montana (Nuttall) A.S. Hitchcock [Allred 2005; M&H; W&S]
mountain muhly
Muhlenbergia subalpina Vasey
Muhlenbergia trifida Hackel

monticola Buckley = Muhlenbergia tenuifolia (Kunth) Trinius
mundula I.M. Johnston = Muhlenbergia rigens (Bentham) A.S. Hitchcock
neomexiana Vasey = Muhlenbergia pauciflora Buckley
parviglumis Vasey = Muhlenbergia spiciformis Trinius
pauciflora Buckley [Allred 2005; M&H]
    New Mexico muhly
        Muhlenbergia neomexicana Vasey
peruviana (Beauvois) Steudel [Allred 2005]
        Muhlenbergia pulcherrima Scribner
    Peruvian muhly
polycaulis Scribner [Allred 2005; M&H]
    cliff muhly
porteri Scribner ex Beal [Allred 2005; M&H; W&S]
    bush muhly
pulcherrima Scribner = Muhlenbergia peruviana (Beauvois) Steudel
pungens Thurber ex Gray [Allred 2005; M&H; W&S]
    sandhill muhly
racemosa (Michaux) Britton, Sterns, & Poggenburg [Allred 2005; M&H; W&S]
    green muhly
ramulosa (Kunth) Swallen [Allred 2005; M&H]
    red muhly
        Muhlenbergia wolfii (Vasey) Rydberg
repens (Presl) Hitchcock [Allred 2005; M&H; W&S]
    creeping muhly
richardsonis (Trinius) Rydberg [Allred 2005; M&H; W&S]
    mat muhly
        Muhlenbergia squarrosa Rydberg
rigens (Bentham) A.S. Hitchcock [Allred 2005; M&H; W&S]
    deergrass
        Epicampes rigens Bentham
        Muhlenbergia mundula I.M. Johnston
rigida (Kunth) Trinius [Allred 2005; M&H; W&S]
    purple muhly
        Muhlenbergia affinis Trinius
schaffneri Fournier = Muhlenbergia depauperata Scribner
setifolia Vasey [Allred 2005; M&H]
    curlyleaf muhly
sinuosa Swallen [Allred 2005; M&H]
    barrens muhly
spiciformis Trinius [Allred 2005; M&H]
    long-awn muhly
        Muhlenbergia parviglumis Vasey
squarrosa (Trinius) Rydberg = Muhlenbergia richardsonis (Trinius) Rydberg
straminea A.S. Hitchcock [Allred 2005; M&H; Reeder & Reeder 1995; W&S]
    screwleaf muhly
        Muhlenbergia virescens of NM works, not (Kunth) Trinius
subalpina Vasey = Muhlenbergia montana (Nuttall) Hitchcock
sylvatica Torrey : Reported as expected by M&H; awaits verification.
tenuifolia (Kunth) Trinius [Allred 2005; M&H; W&S]
    mesa muhly
        Muhlenbergia monticola Buckley
texana Buckley [Allred 2005; M&H]
    Texas muhly
thurberi (Scribner) Rydberg [Allred 2005; M&H; W&S]
    Thurber's muhly
torreyi (Kunth) A.S. Hitchcock ex Bush [Allred 2005; M&H; W&S]
    ring muhly
        Muhlenbergia gracillima Torrey
trifida Hackel = Muhlenbergia montana (Nuttall) Hitchcock
utilis (Torrey) Hitchcock : Reported by M&H, but no validating specimens located (Morden & Hatch 1996).
villiflora Hitchcock var. ***villosa*** (Swallen) Morden [Allred 2005; Hatch 1977; M&H]
    hairy muhly
        Muhlenbergia villosa Swallen
villosa Swallen = Muhlenbergia villiflora Hitchcock var. villosa (Swallen) Morden
virescens of NM works = Muhlenbergia straminea A.S. Hitchcock

wolfii (Vasey) Rydberg = Muhlenbergia ramulosa (Kunth) Swallen

wrightii Vasey ex Coulter [Allred 2005; M&H; W&S]

spike muhly

Munroa false-buffalograss

Anton, A.M & A.T. Hunziker. 1978. El genero *Munroa* (Poaceae): Sinopsis morfologica y taxonomica. Bol. Acad. Nac. Ci. 52:229-252.

squarrosa (Nuttall) Torrey [Allred 2005; M&H; W&S]

false-buffalograss

Munroa squarrosa (Nuttall) Torrey var. *floccuosa* Vasey ex Beal

squarrosa (Nuttall) Torrey var. *floccuosa* Vasey ex Beal = Munroa squarrosa (Nuttall) Torrey

Nassella needlegrass

Barkworth, M.W. 1990. *Nassella* (Gramineae, Stipeae): Revised interpretation and nomenclatural changes. Taxon 39(4):597-614.

Barkworth, M.E. 1993. North American Stipeae (Gramineae): Taxonomic changes and other comments. Phytologia 74(1):1-25.

Barkworth, M.E. & M.A. Torres. 2001. Distribution and diagnostic characters of *Nassella* (Poaceae: Stipeae). Taxon 50:439-468.

Reeder, J.R. 1994. *Stipa tenuissima* (Gramineae) in Arizona -- a comedy of errors. Madroño 41:328-329

Thomasson, J.R. 1981. Micromorphology of the lemma in *Stipa robusta* and *Stipa viridula* (Gramineae: Stipeae): taxonomic significance. Southw. Natural. 26(2):211-214.

tenuissima (Trinius) Barkworth [Allred 2005; M&H; W&S]

Mexican feathergrass

Stipa tenuissima Trinius

viridula (Trinius) Barkworth [Allred 2005; M&H; W&S]

green needlegrass

Stipa viridula Trinius

Nazia aliena of authors = Tragus berteronianus Schultes

Neeragrostis reptans (Michaux) Nicora : Reported by Hatch (1980), but a check of the specimen (*Sopyn s.n.*, TAES) showed it to be Eragrostis hypnoides (Lamarck) Britton, Sterns, & Poggenburg

Oryzopsis ricegrass

Barkworth, M.E. 1982. Embryological characters and the taxonomy of the Stipeae (Gramineae). Taxon 31(2):233-243.

Barkworth, M.E. 1993. North American Stipeae (Gramineae): Taxonomic changes and other comments. Phytologia 74(1):1-25.

Johnson, B.L. 1945. Natural hybrids between *Oryzopsis hymenoides* and several species of *Stipa*. Amer. J. Bot. 32:599-608.

asperifolia Michaux [Allred 2005; M&H; W&S]

mountain ricegrass

bloomeri (Bolander) Ricker = Achnatherum ×bloomeri (Bolander) Barkworth

fimbriata Hemsley = Piptochaetium fimbriatum (Kunth) A.S. Hitchcock

hymenoides (Roemer & Schultes) Ricker ex Piper = Achnatherum hymenoides (Roemer & Schultes) Barkworth

micrantha (Trinius & Ruprecht) Thurber = Piptatherum micranthum (Trinius & Ruprecht) Barkworth

pungens (Torrey) A.S. Hitchcock = Piptatherum pungens (Torrey) Barkworth

Panicularia borealis Nash = Glyceria borealis (Nash) Batchelder

elata Nash ex Rydberg = Glyceria elata (Nash ex Rydberg) M.E. Jones

grandis (S. Watson) Nash = Glyceria grandis S. Watson

nervata (Willdenow) Kuntze = Glyceria striata (Lamarck) Hitchcock

nervata (Willdenow) Kuntze var. *elata* (Nash ex Rydberg) Piper = Glyceria elata (Nash ex Rydberg) M.E. Jones

Panicum panicum

Aliscioni, S.S., L.M. Giussani, F.O. Zuloaga, & E.A. Kellogg. 2003. A molecular phylogeny of *Panicum* (Poaceae: Paniceae): tests of monophyly and phylogenetic placement within the Panicoideae. Amer. J. Bot. 90:796-821.

Allred, K.W. 2003. Plant distribution reports. The New Mexico Botanist 28:8. [*Panicum alatum*]

Bess, E.C., A.N. Doust, G.Davidse, & E.A. Kellogg. 2006. *Zuloagaea*, a new genus of neotropical grass within the "bristle clade" (Poaceae: Paniceae). Syst. Bot. 31(4):656-670.

Bough, M., J.C. Colosi, & P.B. Cavers. 1986. The major weedy biotypes of proso millet (*Panicum miliaceum*) in Canada. Can. J. Bot. 64:1188-198.

Clark, C.A. & F.W. Gould. 1975. Some epidermal characteristics of paleas of *Dichanthelium*, *Panicum*, and *Echinochloa*. Amer. J. Bot. 62:743-748.

Fairbrothers, D.E. 1953. Relationships in the *Capillaria* group of *Panicum* in Arizona and New Mexico. Amer. J. Bot. 40:708-714.

McGregor, R.L. 1984. *Panicum capillare* L. var. *occidentale* Rydberg (Poaceae): an illegitimate name. Contr. Univ. Kansas Herb. No. 10.

McGregor, R.L. 1984. *Panicum capillare* L. var. *barbipulvinatum* (Nash) comb. nov. Phytologia 55:256.

McGregor, R.L. 1985. *Panicum hillmanii* Chase (Poaceae): validity and distribution. Contr. Univ. Kansas Herb. No. 13.

Morrone, O. & F.O. Zuloaga. 1993. Sinopsis del genero *Urochloa* (Poaceae: Panicoideae: Paniceae) para Mexico y America Central. Darwiniana 32:59-75.

Reeder, J.R. 1991. A new species of *Panicum* (Gramineae) from Arizona. Phytologia 71:300-303. [*Panicum mojavense*]

Spellenberg, R.S., D. Anderson, & R. Brozka. 1993. Noteworthy Collections: New Mexico. Madroño 40:136-138. [*Panicum mojavense*]

Zuloaga, F.O., R.P. Ellis, & O. Morrone. 1993. A revision of *Panicum* subg. *Dichanthelium* sect. *Dichanthelium* (Poaceae: Panicoideae: Paniceae) in Mesoamerica, the West Indies, and South America. Ann. Missouri Bot. Gard. 80:119-190.

Zuloaga, F.O. & O. Morrone. 1996. Revision de las especies Americanas de *Panicum* subgenero *Panicum* seccion *Panicum* (Poaceae: Panicoideae: Paniceae). Ann. Missouri Bot. Gard. 83:200-280. [*Panicum alatum*]

Webster, R.D. 1988. Genera of the North American Paniceae (Poaceae: Panicoideae). Syst. Bot. 13(4):576-609.

acuminatum Swartz = Dichanthelium acuminatum (Swartz) Gould & Clark var. acuminatum

alatum F. Zuloaga & O. Morrone var. ***alatum*** [Allred 2003]

alatum F. Zuloaga & O. Morrone var. ***minus*** (Andersson) Zuloaga & Morrone [Zuloaga & Morrone 1996]

winged witchgrass

Panicum hirticaule Presl var. *minus* Andersson

****amarum*** Elliott [Allred 2005]

bitter panicum

****antidotale*** Retzius [Allred 2005]

blue panicum

arizonicum Scribner & Merrill = Urochloa arizonica (Scribner & Merrill) Morrone & Zuloaga

barbipulvinatum Nash = Panicum capillare Linnaeus var. barbipulvinatum (Nash) McGregor
bulbosum Kunth [Allred 2005; M&H; W&S]
bulb panicum
Panicum bulbosum Kunth var. *minus* Vasey
Panicum bulbosum Kunth var. *sciaphilum* (Ruprecht) Hitchcock & Chase
Panicum plenum Hitchcock & Chase
Zuloagaea bulbosum (Kunth) Bess
bulbosum Kunth var. *minus* Vasey = Panicum bulbosum Kunth
bulbosum Kunth var. *sciaphilum* (Ruprecht) Hitchcock & Chase = Panicum bulbosum Kunth
capillare Linnaeus var. ***barbipulvinatum*** (Nash) McGregor [Allred 2005; W&S]
witchgrass
Panicum barbipulvinatum Nash
capillare Linnaeus var. ***brevifolium*** Rydberg & Shear [Allred 2005; M&H]
common witchgrass
Panicum capillare var. *occidentale* Rydberg
capillare Linnaeus var. capillare : Reported by M&H, but no validating specimens located. (Allred 2005; McGregor 1984).
capillare Linnaeus var. *occidentale* Rydberg = Panicum capillare Linnaeus var. brevifolium Rydberg & Shear
coloratum Linnaeus [Allred 2005]
Kleingrass
dichotomiflorum Michaux [Allred 2005; M&H; W&S]
fall panicum
fasciculatum Swartz var. *reticulatum* (Torrey) Beal = Urochloa fusca (Swartz) Hansen & Wunderlin
fuscum Swartz = Urochloa fusca (Swartz) Hansen & Wunderlin
hallii Vasey var. ***filipes*** (Scribner) Waller [Allred 2005]
filly panicum
hallii Vasey var. ***hallii*** Vasey [Allred 2005; M&H; W&S]
Hall's panicum
havardii Vasey [Allred 2005; W&S]
Havard's panicum
helleri Nash = Dichanthelium oligosanthes (Schultes) Gould var. scribnerianum (Nash) Gould
hians Elliott [Allred 2005; M&H; W&S]
gaping panicum
Steinchisma hians (Elliott) Nash
hillmanii Chase [Allred 2005]
Hillman's panicum
hirticaule J. Presl var. ***hirticaule*** [Allred 2005; M&H; W&S]
Mexican witchgrass
hirticaule Presl var. *minus* Andersson = Panicum alatum F. Zuloaga & O. Morrone var. minus (Andersson) Zuloaga & Morrone
hirticaule Presl var. *pampinosum* (A.S. Hitchcock & Chase) Beetle = Panicum pampinosum A.S. Hitchcock & Chase
hirticaule Presl var. *stramineum* (A.S. Hitchcock & Chase) Beetle = Panicum stramineum A.S. Hitchcock & Chase
huachucae Ashe var. *fasciculatum* (Torrey) F.T. Hubbard = Dichanthelium acuminatum (Swartz) Gould & Clark var. acuminatum
huachucae Ashe var. *huachecae* = Dichanthelium acuminatum (Swartz) Gould & Clark var. acuminatum
lanuginosum Elliott = Dichanthelium acuminatum (Swartz) Gould & Clark var. acuminatum
lanuginosum Elliott var. *lindheimeri* (Nash) Fernald = Dichanthelium acuminatum (Swartz) Gould & Clark var. acuminatum
*lepidulum A.S. Hitchcock & Chase : Reported by Allred (1993) and M&H, but the specimen in question is corrected to Panicum hallii Vasey
lindheimeri Nash = Dichanthelium acuminatum (Swartz) Gould & Clark var. acuminatum
linearifolium of earlier NM works = Dichanthelium perlongum (Nash) Freckmann
miliaceum Linnaeus subsp. ***miliaceum*** [Allred 2005; M&H; W&S]
broomcorn millet
mohavense Reeder [Spellenberg et al. 1993; Reeder 1991]
Mojave panicum
napaliense Davidse : Reported by Kartesz (1999) without documentation; awaiting verification.
obtusum Kunth [Allred 2005; M&H; W&S]
vine mesquite
oligosanthes Schultes var. *helleri* (Nash) Fernald = Dichanthelium oligosanthes (Schultes) Gould var. scribnerianum (Nash) Gould
oligosanthes Schultes var. *scribnerianum* (Nash) Fernald = Dichanthelium oligosanthes (Schultes) Gould var. scribnerianum (Nash) Gould
pampinosum A.S. Hitchcock & Chase [Zuloaga & Morrone 1996]
southwestern witchgrass
Panicum hirticaule Presl var. *pampinosum* (A.S. Hitchcock & Chase) Beetle
perlongum Nash = Dichanthelium perlongum (Nash) Freckmann
plenum A.S. Hitchcock & Chase = Panicum bulbosum Kunth
pumilum Poiret = Setaria pumila (Poiret) Roemer & Schultes
ramisetum Scribner = Setaria reverchonii (Vasey) Pilger subsp. ramiseta (Scribner) W.E. Fox
sanguinale Linnaeus = Digitaria sanguinalis (Linnaeus) Scopoli
scribnerianum Nash = Dichanthelium oligosanthes (Schultes) Gould var. scribnerianum (Nash) Gould

stramineum A.S. Hitchcock & Chase : Reported by Allred (1993), but no validating specimens have been located (Allred 2005); Zuloaga & Morrone (1996) do not include NM in their distribution.
Panicum hirticaule Presl var. *stramineum* (A.S. Hitchcock & Chase) Beetle
tennesseene Ashe = Dichanthelium acuminatum (Swartz) Gould & Clark var. acuminatum
texanum Buckley = Urochloa texana (Buckley) R.D. Webster
virgatum Linnaeus [Allred 2005; M&H; W&S]
switchgrass
wilcoxianum Vasey = Dichanthelium wilcoxianum (Vasey) Freckmann

Pappophorum pappusgrass

Chase, A. 1946. *Enneapogon desvauxii* and *Pappophorum wrightii*, an agrostological detective story. Madroño 8:187-189.
Reeder, J.R. & L.J. Toolin. 1989. Notes on *Pappophorum* (Gramineae: Pappophoreae). Syst. Bot. 14(3:349-358.
bicolor Fournier : Reported as expected by M&H; awaits verification.
mucronulatum of numerous North American authors = Pappophorum vaginatum Buckley
vaginatum Buckley [Allred 2005; M&H]
whiplash pappusgrass
Panicum mucronulatum of numerous North American authors
wrightii S. Watson = Enneapogon desvauxii Beauvois

Pascopyrum smithii (Rydberg) Löve = Elymus smithii (Rydberg) Gould

Paspalum paspalum

Allred, K.W. 1982. *Paspalum distichum* L. var. *indutum* Shinners (Poaceae). Great Basin Naturalist 42:101-104.
Banks, D.J. 1966. Taxonomy of *Paspalum setaceum* (Gramineae). Sida 2:269-284.
Chase, A. 1929. The North American species of *Paspalum*. Contr. U.S. Nat. Herb. 28:1-310.
Committee on Nomenclature, IAPT. 1983. Report on Proposal 528, to reject the name *Paspalum distichum* L.: proposal rejected, the traditional usage of the name may be retained. Taxon 32(2):281.
Fosberg, F.R. 1977. *Paspalum distichum* again. Taxon 26:201-202.
Guedes, M. 1976. The case for *Paspalum distichum* and against futile name-changes. Taxon 25:512-513.
bushii Nash = Paspalum setaceum Michaux var. stramineum (Nash) Banks
ciliatifolium Michaux = Paspalum setaceum Michaux var. ciliatifolium (Michaux) Vasey
ciliatifolium Michaux var. *stramineum* (Nash) Fernald = Paspalum setaceum Michaux var. stramineum (Nash) Banks
****dilatatum*** Poiret [Allred 2005; M&H]
dallisgrass
distichum Linnaeus [Allred 1982, 1993; M&H; W&S]
knotgrass
Paspalum distichum var. *indutum* Shinners
distichum var. *indutum* Shinners = Paspalum distichum Linnaeus
setaceum Michaux var. ***ciliatifolium*** (Michaux) Vasey [Allred 2005; M&H; W&S]
fringeleaf paspalum
Paspalum ciliatifolium Michaux
setaceum Michaux var. ***stramineum*** (Nash) Banks [Allred 2005; M&H; W&S]
sand paspalum
Paspalum bushii Nash
Paspalum ciliatifolium Michaux var. *stramineum* (Nash) Fernald
Paspalum stramineum Nash
stramineum Nash = Paspalum setaceum Michaux var. stramineum (Nash) Banks
*vaginatum Swartz (seashore paspalum) : Included by Allred (2005) only as an ornamental lawn grass and not known to escape.

Pennisetum millet

Wipff, J.K. & J.F. Veldkamp. 1999. *Pennisetum advena* sp. nov. (Poaceae: Paniceae): A common ornamental grass throughout the southern United States. Sida 18(4):1031-1036.
*advena Wippf & Veldkamp (purple fountaingrass) : Cultivated as an ornamental landscape grass and not known to escape.
****ciliare*** (Linnaeus) Link [Allred 2005]
buffelgrass
Cenchrus ciliaris Linnaeus
*setaceum (Forsskål) Chiovenda (fountaingrass) : Included by Allred (2005) only as an ornamental landscape grass and not known to escape.
*villosum R. Brown ex Fresenius (feathertop) : Cultivated as an ornamental landscape grass and not known to escape.

Phalaris canarygrass

Anderson, D.E. 1961. Taxonomy and distribution of the genus *Phalaris*. Iowa State J. Sci. 36:1-96.
Baldini, R.M. 1995. Revision of the genus *Phalaris* L. (Gramineae). Webbia 49(2):265-329.
****angusta*** Nees ex Trinius [Allred 2005]
Timothy canarygrass
arundinacea Linnaeus [Allred 2005; M&H; W&S]
reed canarygrass
Phalaroides arundinacea (Linnaeus) Rauschert
****canariensis*** Linnaeus [Allred 2005; M&H]
common canarygrass
caroliniana Walter [Allred 2005; M&H; W&S]
Carolina canarygrass
****minor*** Retzius [Allred 2005]

lesser canarygrass

Phalaroides arundinacea (Linnaeus) Rauschert = Phalaris arundinacea Linnaeus

Phleum Timothy

Joachimiak, A. & A. Kula. 1996. Karyosystematics of the *Phleum alpinum* polyploid complex. Plant Syst. Evol. 203:11-25.

alpinum Linnaeus [Allred 2005; M&H; W&S]

alpine Timothy

Phleum commutatum Gaudin

Phleum alpinum Linnaeus subsp. *commutatum* (Gaudin) Richter

alpinum Linnaeus subsp. *commutatum* (Gaudin) Richter = Phleum alpinum Linnaeus

commutatum Gaudin = Phleum alpinum Linnaeus

****pratense*** Linnaeus [Allred 2005; M&H; W&S]

Timothy

Phragmites reed

Clayton, W.D. 1968. The correct name for the common reed. Taxon 17:168-169.

Fernald, M.L. 1932. *Phragmites communis* Trinius var. *berlandieri* (Fournier) comb. nov. Rhodora 34:211-212.

Saltonstall, K., P.M. Peterson, & R.J. Soreng. 2004. Recognition of *Phragmites australis* subsp. *americanus* (Poaceae: Arundinoideae) in North America: Evidence from morphological and genetic analyses. Sida 21(2):683-692.

australis (Cavanilles) Trinius ex Steudel subsp. ***americanus*** Saltonstall, Peterson & Soreng [Saltonstall et al. 2004]

common reed

Phragmites communis Trinius p.p.

Phragmites phragmites (Linnaeus) Karsten p.p.

****australis*** (Cavanilles) Trinius ex Steudel subsp. ***australis*** [Saltonstall et al. 2004]

common reed

Phragmites communis Trinius p.p.

Phragmites phragmites (Linnaeus) Karsten p.p.

australis (Cavanilles) Trinius ex Steudel var. ***berlandieri*** (Fournier) Reed [Allred 2005; M&H; Saltonstall et al. 2004; W&S]

common reed

Phragmites berlandieri Fournier

Phragmites communis Trinius p.p.

Phragmites phragmites (Linnaeus) Karsten p.p.

berlandieri Fournier = Phragmites australis (Cavanilles) Trinius ex Steudel var. berlandieri (Fournier) Reed

communis of NM authors = Phragmites australis (Cavanilles) Trinius ex Steudel

phragmites of NM authors = Phragmites australis (Cavanilles) Trinius ex Steudel

*Phyllostachys aurea Carr ex A. & C. Rivière (golden bamboo) : Included by Allred (2005) only as an ornamental and not known to escape.

Piptatherum ricegrass

Hartman, R.L. 2003. General floristic survey of the Valles Caldera National Preseve, New Mexico. Report on Field Seasons 2001, 2002. Available from the author <rhartman@uwyo.edu>. [*Piptatherum pungens*]

Hartman, R.L., B. Reif, B.E. Nelson, & B. Jacobs. 2006. New vascular plant records for New Mexico. Sida 22(2):1225-1233. [*Piptatherum pungens*]

micranthum (Trinius & Ruprecht) Barkworth [Allred 2005; M&H; W&S]

littleseed ricegrass

Oryzopsis micrantha (Trinius & Ruprecht) Thurber

pungens (Torrey) Barkworth [Hartman 2003; Hartman et al. 2006]

short-awn ricegrass

Oryzopsis pungens (Torrey) A.S. Hitchcock

Piptochaetium ricegrass

Barkworth, M.E. 1993. North American Stipeae (Gramineae): Taxonomic changes and other comments. Phytologia 74(1):1-25.

fimbriatum (Kunth) Hitchcock [Allred 2005; M&H; W&S]

piñon ricegrass

Oryzopsis fimbriata (Kunth) Hemsley

Stipa fimbriata Kunth

pringlei (Beal) Parodi [Allred 2005; M&H; W&S]

Pringle's needlegrass

Stipa pringlei Beal

Pleuraphis galleta

Columbus, J.T. 1993. *Pleuraphis* -- distinct from *Hilaria* (Gramineae: Chloridoideae). Amer. J. Bot. 80(suppl.):138-139.

Sohns, E.R. 1956. The genus *Hilaria* (Gramineae). J. Wash. Acad. Sci. 46:311-321.

Western Regional Technical Committee W-90. 1972. Galleta: taxonomy, ecology, and management of *Hilaria jamesii* on western rangelands. Utah Agr. Exp. Sta. Bull. 487. 38 p.

jamesii Torrey [Allred 2005; M&H; W&S]

galleta

Hilaria jamesii (Torrey) Bentham

mutica Buckley [Allred 2005; M&H; W&S]

tobosa

Hilaria mutica (Buckley) Bentham

****rigida*** Thurber in S. Watson [Allred 2005]

big galleta

Hilaria rigida (Thurber) Bentham ex Scribner

Poa bluegrass

Arnow, L.A. 1981. *Poa secunda* Presl versus *P. sandbergii* Vasey (Poaceae). Syst. Bot. 6(4):412-421.
Boivin, B. & D. Löve. 1960. *Poa agassizensis*, a new prairie bluegrass. Le Naturaliste Canadien 87:173-180.
Kellogg, E. 1985. A biosystematic study of the *Poa secunda* complex. J. Arnold Arbor. 66:201-242.
Kellogg, E.A. 1985. Variation and names in the *Poa secunda* complex. J. Range Management 38(6):516-521.
Kellogg, E.A. 1987. Apomixis in the *Poa secunda* complex. Amer. J. Bot. 74(9):1431-1437.
Marsh, V.L. 1952. A taxonomic revision of the genus *Poa* of United States and southern Canada. Amer. Midl. naturalist 47:202-250.
Soreng, R.J. 1985. *Poa* L. in New Mexico, with a key to middle and southern Rocky Mountain species (Poaceae). Great Basin Naturalist 45:395-422.
Soreng, R.J. 1991. Systematics of the "Epiles" group of *Poa* (Poaceae). Syst. Bot. 16(3):507-528.
Soreng, R.J. 2001. New plant distribution records. The New Mexico Botanist 19:3. [*Poa pratensis alpigena*]
Soreng, R.J. & F.R. Barrie. 1999. Proposal to conserve the name *Poa pratensis* (Gramineae) with a conserved type. Taxon 48(1):157-160.
Soreng, R.J. & S.L. Hatch. 1983. A comparison of *Poa tracyi* and *Poa occidentalis* (Poaceae: Poeae). Sida 10(2):123-141.

agassizensis Boivin & D. Löve = Poa pratensis Linnaeus subsp. agassizensis (Boivin & D. Löve) Taylor & MacBryd
albescens A.S. Hitchcock = Poa fendleriana (Steudel) Vasey subsp. albescens (A.S. Hitchcock) Soreng
alpigena Lindman = Poa pratensis Linnaeus subsp. alpigena (Lindman) Hiitonen
alpina Linnaeus [Allred 2005; M&H]
alpine bluegrass
ampla Merrill = Poa secunda Presl subsp. juncifolia (Scribner) R.J. Soreng
****annua*** Linnaeus [Allred 2005; M&H; W&S]
annual bluegrass
aperta Scribner & Merrill = Poa arctica R. Brown subsp. aperta (Scribner & Merrill) Soreng
****arachnifera*** Torrey [Allred 2005]
Texas bluegrass
arctica R. Brown subsp. ***aperta*** (Scribner & Merrill) Soreng [Allred 2005; M&H; W&S]
arctic bluebrass
Poa aperta Scribner & Merrill
Poa gracillima of NM authors
arctica R. Brown subsp. ***grayana*** (Vasey) A. & D. Löve & Kapoor [Allred 2005; W&S]
Gray's bluegrass
Poa grayana Vasey
arida Vasey [Allred 2005; M&H; W&S]
plains bluegrass
Poa glaucifolia Scribner & Williams
bigelovii Vasey & Scribner [Allred 2005; M&H; W&S]
Bigelow's bluegrass
brevipaniculata Scribner & Will. = Poa fendleriana (Steudel) Vasey subsp. fendleriana
****bulbosa*** Linnaeus [Allred 2005; M&H]
bulbous bluegrass
Poa bulbosa Linnaeus var. *vivipara* Koeler
bulbosa Linnaeus var. *vivipara* Koeler = Poa bulbosa Linnaeus
canbyi (Scribner) Piper = Poa secunda Presl subsp. secunda
****compressa*** Linnaeus [Allred 2005; M&H; W&S]
Canada bluegrass
distans Jacquin = Puccinellia distans (Jacquin) Parlatore
fendleriana (Steudel) Vasey subsp. ***albescens*** (A.S. Hitchcock) Soreng [Allred 2005]
Mexican muttongrass
Poa albescens A.S. Hitchcock
fendleriana (Steudel) Vasey subsp. ***fendleriana*** [Allred 2005; M&H; W&S]
Fendler muttongrass
Eragrostis fendlerianus Steudel
Poa brevipaniculata Scribner & Williams
Poa longepedunculata Scribner
fendleriana (Steudel) Vasey subsp. ***longiligula*** (Scribner & T.A. Williams) Soreng [Allred 2005; M&H; W&S]
longtongue muttongrass
Poa longiligula Scribner & Williams
glauca Vahl subsp. ***glauca*** [Allred 2005; M&H]
Greenland bluegrass
glauca Vahl subsp. ***rupicola*** (Nash ex Rydberg) W.A. Weber [Allred 2005; M&H]
timberline bluegrass
Poa rupicola Nash
glaucifolia Scribner & Williams = Poa arida Vasey
gracillima of NM authors = Poa arctica R. Brown var. aperta (Scribner & Merrill) Soreng
grayana Vasey = Poa arctica R. Brown subsp. grayana (Vasey) A. & D. Löve & Kapoor
kingii S. Watson = Leucopoa kingii (S. Watson) W.A. Weber
interior Rydberg [Allred 2005; M&H; W&S]
inland bluegrass
Poa nemoralis Linnaeus subsp. *interior* (Rydberg) W.A. Weber
juncifolia Scribner = Poa secunda Presl subsp. juncifolia (Scribner) R.J Soreng
laevigata Scribner = Poa secunda Presl subsp. secunda

leptocoma Trinius [Allred 2005; M&H]
bog bluegrass
longiligula Scribner & Williams = Poa fendleriana (Steudel) Vasey var. longiligula (Scribner & Williams) Soreng
longepedunculata Scribner = Poa fendleriana (Steudel) Vasey var. fendleriana
lucida Vasey = Poa secunda Presl subsp. secunda
kingii S. Watson = Leucopoa kingii (S. Watson) W.A. Weber
nemoralis Linnaeus subsp. *interior* (Rydberg) W.A. Weber = Poa interior Rydberg
nervosa (Hooker) Vasey var. *wheeleri* (Vasey) C.L. Hitchcock = Poa wheeleri Vasey
nevadensis Vasey ex Scribner = Poa secunda Presl subsp. juncifolia (Scribner) R.J. Soreng
nuttalliana Schultes = Puccinellia nuttalliana (Schultes) A.S. Hitchcock
occidentalis Vasey [Allred 2005; M&H; W&S]
New Mexico bluegrass
palustris Linnaeus [Allred 2005; M&H]
fowl bluegrass
pattersonii Vasey : Reported as expected by M&H; awaits verification.
pratensis Linnaeus subsp. ***agassizensis*** (Boivin & D. Löve) Taylor & MacBryde [Allred 2005]
Kentucky bluegrass, Lake Agassiz bluegrass
Poa agassizensis Boivin & D. Löve
pratensis Linnaeus subsp. ***alpigena*** (Lindman) Hiitonen [Soreng 2001]
Kentucky bluegrass
Poa alpigena Lindman
****pratensis*** Linnaeus subsp. ***pratensis*** [Allred 2005; M&H; W&S]
Kentucky bluegrass
reflexa Vasey & Scribner ex Vasey [Allred 2005; M&H; W&S]
nodding bluegrass
rupicola Nash = Poa glauca Vahl. subsp. rupicola (Nash) W.A. Weber
sandbergii Vasey = Poa secunda Presl subsp. secunda
scabrella (Thurber) Vasey = Poa secunda Presl subsp. secunda
secunda Presl subsp. ***juncifolia*** (Scribner) R.J. Soreng
alkali bluegrass
Poa ampla Merrill
Poa juncifolia Scribner
Poa nevadensis Vasey ex Scribner
secunda Presl subsp. ***secunda*** [Allred 2005; M&H; W&S]
Sandberg's bluegrass
Poa canbyi (Scribner) Piper
Poa laevigata Scribner
Poa lucida Vasey
Poa sandbergii Vasey
Poa scabrella (Thurber) Vasey
stenantha Trinius : Reported by M&H, but no validating specimens located; most likely refers to Poa leptocoma Trinius (Allred 2005).
tracyi Vasey [Allred 2005; M&H; W&S]
Tracy's bluegrass
****trivialis*** Linnaeus [Allred 2005]
rough bluegrass
wheeleri Vasey [Allred 2005; M&H]
Wheeler's bluegrass
Poa nervosa (Hooker) Vasey var. *wheeleri* (Vasey) C.L. Hitchcock
Podagrostis humilis (Vasey) Bjorkman = Agostis humilis Vasey
thurberiana (A.S. Hitchcock) Hulten = Agostis humilis Vasey

Polypogon polypogon
Barkworth, M. 2004. Plant distribution reports. The New Mexico Botanist 31:1. [*Polypogon maritimus*]
Bjorkman, S.O. 1960. Studies in *Agrostis* and related genera. Symb. Bot. Upsal. 17:1-112.
****interruptus*** Kunth [Allred 2005; M&H; W&S]
ditch polypogon
×*Agropogon littoralis* (Small) C.E. Hubbard
Polypogon littoralis Small
littoralis Small = Polypogon interruptus Kunth
****maritimus*** Willdenow [Barkworth 2004]
southern polypogon
****monspeliensis*** (Linnaeus) Desfontaines [Allred 2005; M&H; W&S]
rabbitfootgrass
****viridis*** (Gouan) Breistroffer [Allred 2005; M&H]
water polypogon
Agrostis semiverticillata (Forsskål) Christensen
Agrostis viridis Gouan

Polypogon semiverticillata (Forsskål) Hylander

semiverticillata (Forsskål) Hylander = Polypogon viridis (Gouan) Breistroffer

Psathyrostachys wildrye

Baden, C. 1990. A taxonomic revision of *Psathyrostachys* (Poaceae). Nord. J. Bot. 11:3-26.

Dewey, D.R. & C. Hsiao. 1983. A cytogenetic basis for transferring russian wildrye from *Elymus* to *Psathyrostachys*. Crop Sci. 23:123-126.

***juncea** (Fischer) Nevski [Allred 2005]

Russian wildrye

Elymus junceus Fischer

Pseudoroegneria arizonica (Scribner & Smith) Löve

spicata (Pursh) A. Löve = Elymus spicatus (Pursh) Gould

Puccinellia alkaligrass

Church, G.L. 1949. A cytotaxonomic study of *Glyceria* and *Puccinellia*. Amer. J. Bot. 36:155-156.

Davis, J.I. 1983. Phenotypic plasticity and the selection of taxonomic characters in *Puccinellia* (Poaceae). Syst. Bot. 8:341-353.

Sivinski, R. 1995. Parish's alkali grasss (*Puccinellia parishii*). Section 6, Progress Report, U.S. Fish Wildlife Service.

airoides (Nuttall) S. Watson & Coulter = Puccinellia nuttalliana (Schultes) A.S. Hitchcock

***distans** (Jacquin) Parlatore [Allred 2005; M&H]

weeping alkaligrass

Poa distans Jacquin

nuttalliana (Schultes) A.S. Hitchcock [Allred 2005; M&H; W&S]

Nuttall alkaligrass

Poa nuttalliana Schultes

Puccinellia airoides (Nuttall) S. Watson & Coulter

parishii A.S. Hitchcock [Allred 2005; M&H]

Parish's alkaligrass

pauciflora (J. Presl) Munz = Torreyochloa pallida (Torrey) Church var. pauciflora (J. Presl) J.I. Davis

Redfieldia blowout-grass

Reeder, J.R. 1976. Systematic position of *Redfieldia* (Gramineae). Madroño 23:434-438.

flexuosa (Thurber) Vasey [Allred 2005; M&H]

blowout-grass

Graphephorum flexuosum Thurber

Rhynchelytrum repens (Willdenow) C.E. Hubbard = Melinis repens (Willdenow) Zizka

roseum (Nees) Bews = Melinis repens (Willdenow) Zizka

Saccharum sugar cane

Peterson, R.S. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Saccharum ravennae*]

***ravennae** (Linnaeus) Linnaeus [Peterson 2000]

Ravenna grass

Andropogon ravennae Linnaeus

Erianthus ravennae (Linnaeus) Beauvois

Savastana odorata (Linnaeus) Scribner = Hierochloe odorata (Linnaeus) Beauvois

Schedonnardus tumblegrass

paniculatus (Nuttall) Trelease [Allred 2005; M&H; W&S]

tumblegrass

Lepturus paniculatus Nuttall

Schedonorus arundinaceus (Schreber) Dumortier = Festuca arundinacea Schreber

pratensis (Hudson) P. Beauvois = Festuca pratensis Hudson

phoenix (Scopoli) Holub = Festuca arundinacea Schreber

Schismus Mediterraneangrass

Conert, H.J. & A.M. Turpe. 1974. Revision der Gattung *Schismus* (Poaceae: Arundinoideae: Danthonieae). Abh. Senckenberg. Naturf. Ges. 532:1-81.

Hatch, S.L. 1977. New grass distribution records for New Mexico and the United States. Great Basin Naturalist 37(4):530-531. [*Schismus arabicus*]

***arabicus** Nees [Allred 2005; Hatch 1977]

Arabian Mediterraneangrass

***barbatus** (Loefling ex Linnaeus) Thellung [Allred 2005; M&H]

bearded Mediterraneangrass

Schizachne false-melic

Swallen, J.R. 1928. The grass genus *Schizachne*. J. Wash. Acad. Sci. 18:203-206.

purpurascens (Torrey) Swallen [Allred 2005; M&H; W&S]

false melic

Avena striata Michaux

Schizachyrium bluestem

Camus, A. 1923. Note sur le genre "*Schizachyrium*" (Gramineae). Ann. Soc. Linn. Lyon 70:87-91.

Gould, F.W. 1967. The grass genus *Andropogon* in the United States. Brittonia 19:70-76.

Hatch, S.L. 1978. Nomenclatural changes in *Schizachyrium* (Poaceae). Brittonia 30:496.

Hatch, S.L. 1984. A new combination in the Poaceae. Sida 10(4):321.

cirratum (Hackel) Wooton & Standley [Allred 2005; W&S]

Texas bluestem

Andropogon cirratus Hackel

neomexicanum Nash [Allred 2005; W&S]

New Mexico bluestem

Andropogon scoparius Michaux var. *neomexicanus* (Nash) Hitchcock

sanguineum (Retzius) Alston var. ***hirtiflorum*** (Nees) Hatch [Allred 2005]

Santa Fe bluestem

Andropogon feensis Fournier

Andropogon hirtiflorus (Nees) Kunth var. *feensis* (Fournier) Hackel

scoparium (Michaux) Nash var. *frequens* (C.E. Hubbard) Gould = Schizachyrium scoparium (Michaux) Nash

scoparium (Michaux) Nash var. ***scoparium*** [Allred 2005; W&S]

little bluestem

Andropogon scoparius Michaux var. *scoparius*

Andropogon scoparius Michaux var. *frequens* C.E. Hubbard

Schizachyrium scoparium (Michaux) Nash var. *frequens* (C.E. Hubbard) Gould

Sclerochloa hardgrass

Brandenburg, D.M., J.R. Estes, & J.W. Thieret. 1991. Hard grass (*Sclerochloa dura*, Poaceae) in the United States. Sida 14(3):369-376.

****dura*** (Linnaeus) Beauvois [Allred 2005]

hardgrass

Scleropoa rigida (Linnaeus) Grisebach = Catapodium rigidum (Linnaeus) C.E. Hubbard ex Dony

Scleropogon burrograss

Beetle, A.A. 1981. Noteworthy grasses from Mexico. Phytologia 49(1):33-43. [*Scleropogon longisetus*]

Peterson, P.M. & J.T. Columbus. 1997. Allelic variation in the amphitropical disjunct *Scleropogon brevifolius* (Poaceae: Eragrostideae). BioLlania Esp. No. 6:473-490.

Reeder, J.R. & J. Toolin. 1987. *Scleropogon* (Gramineae), a monotypic genus with disjunct distribution. Phytologia 62:267-275.

brevifolius Philippi [Allred 2005; M&H; W&S]

burrograss

Festuca macrostachya Torrey & Gray

Scleropogon longisetus Beetle

longisetus Beetle = Scleropogon brevifolius Philippi

Secale rye

Allred, K.W. 2002. Rye, wheat, triticale, and barley. The New Mexico Botanist 22:5-6.

Baum, B.R. & P.K. Gupta. 1990. Taxonomic examination of Triticale (X *Triticosecale*). Can. J. Bot. 68:1889-1893.

Bowden, W.M. 1962. Cytotaxonomy of the native and adventive species of *Hordeum*, *Eremopyrum*, *Secale*, *Sitanion*, and *Triticum* in Canada. Can. J. Bot. 40:1675-1711.

Frederiksen, S. and G. Petersen. 1998. A taxonomic revision of *Secale* L. (Triticeae, Poaceae). Nordic J. Bot. 18:399-420.

****cereale*** Linnaeus [Allred 2005; M&H]

rye

Sesleria dactyloides Nuttall = Buchloë dactyloides (Nuttall) Engelmann

Setaria bristlegrass

Emery, W.H.P. 1957. A cytotaxonomic study of *Setaria macrostachya* (Gramineae) and its relatives in the southwestern United States and Mexico. Bull. Torrey Bot. Club 84:94-105.

Fairbrothers, D.E. 1959. Morphological variation of *Setaria faberi* and *S. viridis*. Brittonia 11:44-48.

Fox, W.E. III & S.L. Hatch. 1999. New combinations in *Setaria* (Poaceae: Paniceae). Sida 18(4):1037-1047.

Hatch, S.L. 1977. New grass distribution records for New Mexico and the United States. Great Basin Naturalist 37(4):530-531. [*Setaria adhaerens*, *S. reverchonii* subsp. *ramiseta*]

Kerguèlen, M. 1977. Notes agrostologiques, II. Bull. Soc. Bot. Fr. 124:337-349. [*Setaria parviflora*]

Rominger, J.M. 1962. Taxonomy of *Setaria* (Gramineae) in North America. Illinois Biol. Monogr. 29:1-132.

Toolin, L. & J.R. Reeder. 2000. The status of *Setaria macrostachya* and its relationship to *S. vulpiseta* (Gramineae). Syst. Bot. 25(1):26-32.

Webster, R.D. 1993. Nomenclature of *Setaria* (Poaceae: Paniceae). Sida 15(3):447-490.

****adhaerens*** (Forsskål) Chiovenda [Allred 2005; Hatch 1977]

clinging bristlegrass

geniculata (Lamarck) Beauvois = Setaria parviflora (Poiret) Kerguélen

glauca (Linnaeus) Beauvois = Setaria pumila (Poiret) Roemer & Schultes

grisebachii Fournier [Allred 2005; M&H; W&S]

Grisebach's bristlegrass

Chaetochloa grisebachii ampla Scribner & Merrill

****italica*** (Linnaeus) Beauvois [Allred 2005; M&H]

foxtail millet

Chaetochloa italica (Linnaeus) Scribner

leucopila (Scribner & Merrill) K. Schumann [Allred 2005]

plains bristlegrass

Setaria macrostachya of most U.S. authors

lutescens (Weigel) F.T. Hubbard = Setaria pumila (Poiret) Roemer & Schultes

macrostachya Kunth [Allred 2005; M&H; W&S]

plains bristlegrass

Chaetochloa composita (Kunth) Scribner

macrostachya of most U.S. authors = Setaria leucopila (Scribner & Merrill) K. Schumann

****magna*** Grisebach [Allred 2005]

giant foxtail

parviflora (Poiret) Kerguélen [Allred 2005; M&H]

knotroot bristlegrass

Setaria geniculata (Lamarck) Beauvois

*__pumila__ (Poiret) Roemer & Schultes [Allred 2005; M&H; W&S]
yellow bristlegrass
Chaetochloa glauca (Linnaeus) Scribner
Panicum pumilum Poiret
Setaria glauca auctores
Setaria lutescens (Weigel) F. T. Hubbard
ramiseta (Scribner) Pilger = Setaria reverchonii (Vasey) Pilger subsp. ramiseta (Scribner) W.E. Fox
__reverchonii__ (Vasey) Pilger subsp. __ramiseta__ (Scribner) W.E. Fox [Allred 2005; Hatch 1977]
Reverchon's bristlegrass
Panicum ramisetum Scribner
Setaria ramiseta (Scribner) Pilger
scheelei (Steudel) Hitchcock : Reported by M&H, and thence by FNA, but no validating specimens have ever been located.
*__verticillata__ (Linnaeus) Beauvois [Allred 2005; M&H]
hooked bristlegrass
villosissima (Scribner & Merrill) K. Schumann : Reported as expected by M&H; awaits verification.
*__viridis__ (Linnaeus) Beauvois [Allred 2005; M&H; W&S]
green bristlegrass
Chaetochloa viridis (Linnaeus) Scribner
vulpiseta (Lamarck) Roemer & J.A. Schultes : Some have expanded this South American taxon to include our North American Setaria macrostachya Kunth; we maintain the two entities in a more strict sense, with the latter in NM.
Sitanion brevifolium J.G. Smith = Elymus longifolius (Smith) Gould
caespitosum J.G. Smith = Elymus longifolius (Smith) Gould
californicum J.G. Smith = Elymus elymoides (Rafinesque) Swezey
hystrix (Nuttall) J.S. Smith = Elymus elymoides (Rafinesque) Swezey and Elymus longifolius (Smith) Gould
longi folium J.G. Smith = Elymus longifolius (Smith) Gould
molle J.G. Smith = Elymus longifolius (Smith) Gould
pubiflorum J.G. Smith = Elymus longifolius (Smith) Gould
rigidum sensu W&S = Elymus longifolius (Smith) Gould

__Sorghastrum__ Indiangrass
Davila A., P. 1990. Anatomia foliar de las especies de *Sorghastrum* Nash (Poaceae: Andropogoneae). An. Inst. Biol. Univ. Nac. Auton. Mexico, Bot. 60:59-84.
Veldkamp, J.F. 1984. The identity of *Andropogon nutans* Linnaeus (Gramineae). Taxon 33:95-97.
__nutans__ (Linnaeus) Nash [Allred 2005; M&H; W&S]
Indiangrass

__Sorghum__ sorghum
DeWet, J.M.J. 1978. Systematics and evolution of *Sorghum* sect. *Sorghum* (Gramineae). Amer. J. Bot. 65:477-484.
Doggett, H. 1970. *Sorghum*. Longmans, London. 403 pp.
*__bicolor__ (Linnaeus) Moench subsp. __bicolor__ [Allred 2005; M&H]
sorghum, milo
Sorghum vulgare Persoon
*__bicolor__ (Linnaeus) Moench subsp. __drummondii__ (Nees ex Steudel) deWet [Allred 2005]
Sudan grass
Sorghum sudanense (Piper) Stapf
*__halepense__ (Linnaeus) Persoon [Allred 2005; M&H; W&S]
Johnsongrass
Holcus halepensis Linnaeus
sudanense (Piper) Stapf = Sorghum bicolor (Linnaeus) Moench subsp. drummondii (Nees ex Steudel) deWet
vulgare Persoon = Sorghum bicolor (Linnaeus) Moench subsp. bicolor

__Spartina__ cordgrass
Mobberley, D.G. 1956. Taxonomy and distribution of the genus *Spartina*. Iowa State Coll. J. Sci. 30:471-574.
__gracilis__ Trinius [Allred 2005; M&H]
alkali cordgrass
__pectinata__ Bosc ex Link [Allred 2005]
prairie cordgrass

__Sphenopholis__ wedgescale
Erdman, K.S. 1965. Taxonomy of the genus *Sphenopholis* (Gramineae). Iowa State J. Sci. 39:289-336.
__intermedia__ (Rydberg) Rydberg [Allred 2005; M&H; W&S]
slender wedgescale
Spenopholis obtusata (Michaux) Scribner var. *major* (Torrey) Erdman
Sphenopholis pallens sensu W&S
Sphenopholis pennsylvanica sensu W&S
__obtusata__ (Michaux) Scribner [Allred 2005; M&H; W&S]
prairie wedgescale
Sphenopholis robusta (Vasey) Heller
obtusata (Michaux) Scribner var. *major* (Torrey) Erdman = Sphenopholis intermedia (Rydberg) Rydberg
pallens sensu W&S = Sphenopholis intermedia (Rydberg) Rydberg
pennsylvanica sensu W&S = Sphenopholis intermedia (Rydberg) Rydberg
robusta (Vasey) Heller = Sphenopholis obtusata (Michaux) Scribner

Sporobolus dropseed

Jones, E.K. & N.C. Fassett. 1950. Subspecific variation in *Sporobolus cryptandrus*. Rhodora 52:125-126.
Kartesz, J.T. & K.N. Gandhi. 1995. Nomenclatural notes for the North American flora. XIV. Phytologia 78(1):1-17.
Riggins, R. 1977. A biosystematic study of the *Sporobolus asper* complex (Gramineae). Iowa State J. Res. 51:287-321.

airoides (Torrey) Torrey [Allred 2005; M&H; W&S]
alkali sacaton
Agrostis airoides Torrey

airoides (Torrey) Torrey var. *wrightii* (Scribner) Gould = Sporobolus wrightii Munro ex Scribner

asper (Beauvois) Kunth = Sporobolus compositus (Poiret) Merrill

asperifolius (Nees & Meyer ex Trinius) Thurber = Muhlenbergia asperifolia (Nees & Meyer ex Trinius) Parodi

auriculatus Vasey = Muhlenbergia arenacea (Buckley) A.S. Hitchcock

compositus (Poiret) Merrill [Allred 2005; M&H; W&S]
tall dropseed
Agrostis composita Poiret
Sporobolus asper (Beauvois) Kunth

confusus auct. = Muhlenbergia minutissima (Steudel) Swallen

contractus A.S. Hitchcock [Allred 2005; M&H; W&S]
spike dropseed
Sporobolus strictus Merrill

coromandelianus (Retzius) Kunth : This name is being applied to Sporobolus pyramidatus (Lamarck) A.S. Hitchcock by some authors; awaits verification of nomenclatural status.

cryptandrus (Torrey) Gray [Allred 2005; M&H; W&S]
sand dropseed
Agrostis cryptandra Torrey

flexuosus (Thurber ex Vasey) Rydberg [Allred 2005; M&H; W&S]
mesa dropseed
Vilfa cryptandra (Torrey) Torrey ex Trinius var. *flexuosa* Thurber ex Vasey

giganteus Nash [Allred 2005; M&H; W&S]
giant dropseed

heterolepis (A. Gray) A. Gray [Allred 2005]
prairie dropseed

nealleyi Vasey [Allred 2005; M&H; W&S]
gypgrass

neglectus* Nash [Allred 2005; M&H]
puffsheath dropseed

pulvinatus Swallen = Sporobolus pyramidatus (Lamarck) A.S. Hitchcock

pyramidatus (Lamarck) A.S. Hitchcock [Allred 2005; M&H]
whorled dropseed
Agrostis pyramidata Lamarck
Sporobolus pulvinatus Swallen

strictus Merrill = Sporobolus contractus A.S. Hitchcock

texanus Vasey [Allred 2005; M&H; W&S]
Texas dropseed

vaginiflorus* (Torrey ex Gray) Wood [Allred 2005; M&H]
poverty dropseed

wrightii Munro ex Scribner [Allred 2005; M&H; W&S]
giant sacaton
Sporobolus airoides (Torrey) Torrey var. *wrightii* (Scribner) Gould

*Stenotaphrum secundatum (Walter) Kuntze (St. Augustinegrass) : Included by Allred (2005) only as an ornamental lawn grass and not known to escape.

Steinchisma hians (Elliott) Nash = Panicum hians Elliott

Stipa arida Jones = Achnatherum aridum (Jones) Barkworth

bloomeri Bolander = Achnatherum ×bloomeri (Bolander) Barkworth

columbiana of NM authors = Achnatherum perplexum Hoge & Barkworth

comata Trinius & Ruprecht s.s. = Hesperostipa comata (Trinius & Ruprecht) Barkworth subsp. comata

comata Trinius & Ruprecht var. *intermedia* Scribner & Tweedy = Hesperostipa comata (Trinius & Ruprecht) Barkworth subsp. intermedia (Scribner & Tweedy) Barkworth

curvifolia Swallen = Achnatherum curvifolium (Swallen) Barkworth

eminens Cavanilles = Achnatherum eminens (Cavanilles) Barkworth

fimbriata Kunth = Piptochaetium fimbriatum (Kunth) Hitchcock

hymenoides Roemer & Schultes = Achnatherum hymenoides (Roemer & Schultes) Barkworth

lettermanii Vasey = Achnatherum lettermanii (Swallen) Barkworth

lobata Swallen = Achnatherum lobatum (Swallen) Barkworth

minor sensu NM authors = Achnatherum perplexum Hoge & Barkworth

mormonum Mez = Achnatherum aridum (Jones) Barkworth

nelsonii Scribner subsp. dorei Barkworth & Maze sensu stricto : Reported by Allred (1993), but not occurring in NM; replaced in NM by Achnatherum perplexum Hoge & Barkworth.

neomexicana (Thurber ex Coulter) Scribner = Hesperostipa neomexicana (Thurber) Barkworth
perplexa (Hoge & Barkworth) J. Wipff & S.D. Jones = Achnatherum perplexum Hoge & Barkworth
pringlei Beal = Piptochaetium pringlei (Beal) Parodi
robusta (Vasey) Scribner = Achnatherum robustum (Vasey) Barkworth
scribneri Vasey = Achnatherum scribneri (Vasey) Barkworth
spartea Trinius = Hesperostipa spartea (Trinius) Barkworth
speciosa Trinius & Ruprecht = Jarava speciosa (Trinius & Ruprecht) Peñailillo
tenuissima Trinius = Nassella tenuissima (Trinius) Barkworth
tweedyi Scribner = Hesperostipa comata (Trinius & Ruprecht) Barkworth subsp. intermedia (Scribner & Tweedy) Barkworth
vaseyi Scribner = Achantherum robustum (Vasey) Barkworth
viridula Trinius = Nassella viridula (Trinius) Barkworth
×*Stiporyzopsis bloomeri* (Bolander) B.L. Johnson = Achnatherum ×bloomeri (Bolander) Barkworth
Syntherisma sanguinale (Linnaeus) Dulac = Digitaria sanguinalis (Linnaeus) Scopoli
Thinopyron elongatum (Host) Barkworth & Dewey
intermedium (Host) Barkworth & Dewey = Elymus hispidus (Opiz) Melderis
ponticum (Podpěra) Barkworth & Dewey = Elymus elongatus (Host) Runemark

Torreyochloa mannagrass

Church, G.L. 1952. The genus *Torreyochloa*. Rhodora 54:197-200.
Clausen, R.T. 1952. Suggestion for the assignment of *Torreyochloa* to *Puccinellia*. Rhodora 54:42-45.
Davis, J.I. 1991. A note on North American *Torreyochloa* (Poaceae) including a new combination. Phytologia 70:361-365.

pallida (Torrey) Church var. ***pauciflora*** (J.S. Presl) J.I. Davis [Allred 2005; M&H]
weak mannagrass
Glyceria pauciflora Presl
Puccinellia pauciflora (J. Presl) Munz
Torreyochloa pauciflora (Presl) Church
pauciflora (Presl) Church = Torreyochloa pallida (Torrey) Church var. pauciflora (J.S. Presl) J.I Davis

Trachypogon crinkle-awn

montufari sensu W&S = Trachypogon secundus (Presl) Scribner
secundus (Presl) Scribner [Allred 2005; M&H; W&S]
crinkle-awn
Trachypogon montufari sensu W&S

Tragus burgrass

Anton, A.M. 1981. The genus *Tragus* (Gramineae). Kew Bull. 36(1):55-61.
Reeder, J.R. & C. Reeder. 1978. *Tragus racemosus* in Arizona. Madroño 25:107-108.

****berteronianus*** Schultes [Allred 2005; M&H; W&S]
spike burgrass
Nazia aliena of authors
racemosus (Linnaeus) Allioni : Reported by M&H, Hitchcock & Chase (1951), and Campbell & Little (1935), but no validating specimens have been located in any of the state's herbaria or at US.

Trichachne californica (Bentham) Chase = Digitaria californica (Bentham) Henrard

Trichloris false-rhodesgrass

crinita (Lagasca) Parodi [Allred 2005; M&H; W&S]
false rhodesgrass
Chloris crinita Lagasca
Trichloris fasciculata Fournier
fasciculata Fournier = Trichloris crinita Lagasca

Tricuspis mutica Torrey = Tridens muticus (Torrey) Nash

Tridens tridens

Tateoka, T. 1961. A biosystematic study of *Tridens* (Gramineae). Amer. J. Bot. 48:565-573.
Valdés-R. & S.L. Hatch. 1997. A revision of *Erioneuron* and *Dasyochloa* (Poaceae: Eragrostideae). Sida 17(4):645-666.

albescens (Vasey) Wooton & Standley [Allred 2005; M&H]
white tridens
Triodia albescens Vasey
avenaceus (Kunth) Hitchcock = Erioneuron avenaceum (Kunth) Tateoka
elongatus (Buckley) Nash = Tridens muticus (Torrey) Nash var. elongatus (Buckley) Shinners
****eragrostoides*** (Vasey & Scribner) Nash [Allred 2005]
lovegrass tridens
****flavus*** (Linnaeus) A.S. Hitchcock [Allred 2005; M&H]
purpletop
grandiflorus (Vasey) Wooton & Standley = Erioneuron avenaceum (Kunth) Tateoka
muticus (Torrey) Nash var. ***elongatus*** (Buckley) Shinners [Allred 2005; M&H]
rough tridens
Tridens elongatus (Buckley) Nash
Triodia elongata (Buckley) Scribner
Uralepis elongata Buckley
muticus (Torrey) Nash var. ***muticus*** [Allred 2005; M&H]
slim tridens
Tricuspis mutica Torrey

Triodia mutica (Torrey) Scribner

nealleyi (Vasey) Wooton & Standley = Erioneuron nealleyi (Vasey) Gould

pilosus (Buckley) Hitchcock = Erioneuron pilosum (Buckley) Nash

pulchellus (Kunth) Hitchcock = Dasyochloa pulchella (Kunth) Willdenow ex Rydberg

Triodia albescens Vasey = Tridens albescens (Vasey) Wooton & Standley

elongata (Buckley) Scribner = Tridens muticus (Torrey) Nash var. elongatus (Buckley) Shinners

grandiflora Vasey = Erioneuron avenaceum (Kunth) Tateoka

mutica Torrey = Tridens muticus (Torrey) Nash var. muticus

pilosa (Buckley) Merrill = Erioneuron pilosum (Buckley) Nash

pulchella Kunth = Dasyochloa pulchella (Kunth) Willdenow ex Rydberg

Triplasis sandgrass

Hatch, S.L. 1977. New grass distribution records for New Mexico and the United States. Great Basin Naturalist 37(4):530-531. [*Triplasis purpurea*]

purpurea (Walter) Chapman [Allred 2005; Hatch 1977; M&H]

purple sandgrass

Tripsacum gamagrass

DeWet, J.M.J., D.E. Brink, & C.E. Cohen. 1983. Systematics of *Tripsacum* section *Fasciculata* (Gramineae). Amer. J. Bot. 70:1139-1146.

DeWet, J.M.J., J.R. Gray, & J.R. Harlan. 1976. Systematics of *Tripsacum* (Gramineae). Phytologia 33(3):203-227.

lanceolatum Ruprecht ex Fournier [Allred 2005; M&H; W&S]

Mexican gamagrass

Trisetum trisetum

Finot, V.L., P.M. Peterson, R.J. Soreng, & F.O. Zuloaga. 2005. A revision of *Trisetum* and *Graphephorum* (Poaceae: Pooideae: Aveninae) in North America north of Mexico. Sida 21(3):1419-1453.

Hultén, E. 1959. The *Trisetum spicatum* complex. Sv. Bot. Tidskr. 53:203-228.

Randall, J.L. & K.W. Hilu. 1986. Biosystematic studies of North American *Trisetum spicatum* (Poaceae). Syst. Bot. 11:567-578.

Rumely, J.H. 2007. *Trisetum*, p. 744-753. IN: Flora of North America, vol. 24. Oxford University Press.

canescens Buckley : Reported by Rumely (2007) for Colfax County, but no NM specimens seen; awaits verification.

flavescens (Linnaeus) Beauvois : Reported as expected by M&H; awaits verification.

interruptum Buckley [Allred 2005; M&H; W&S]

prairie trisetum

montanum Vasey [Allred 2005; M&H; W&S]

Rocky Mountain trisetum

Trisetum spicatum (Linnaeus) Richter subsp. *montanum* (Vasey) Weber

spicatum (Linnaeus) Richter [Allred 2005; M&H; W&S]

spike trisetum, spike oats

Aira spicata Linnaeus

spicatum (Linnaeus) Richter subsp. *montanum* (Vasey) Weber = Trisetum montanum Vasey

subspicatum (Linnaeus) Beauvois var. *muticum* Bolander = Trisetum wolfii Vasey

wolfii Vasey [Allred 2005; M&H]

Wolf's trisetum

Graphephorum wolfii (Vasey) Vasey ex Coulter

Trisetum subspicatum (Linnaeus) Beauvois var. *muticum* Bolander

×***Triticosecale*** triticale

Allred, K.W. 2002. Rye, wheat, triticale, and barley. The New Mexico Botanist 22:5-6.

Baum, B.R. & P.K. Gupta. 1990. Taxonomic examination of Triticale (×*Triticosecale*). Can. J. Bot. 68:1889-1893.

The name ×*Triticosecale* refers to artificial hybrids between *Triticum* and *Secale*. There is no valid specific epithet. A rather common, though non-persistent, waif of agriculture.

Triticum wheat

Allred, K.W. 2002. Rye, wheat, triticale, and barley. The New Mexico Botanist 22:5-6.

Baum, B.R. & P.K. Gupta. 1990. Taxonomic examination of Triticale (×*Triticosecale*). Can. J. Bot. 68:1889-1893.

Briggle, L.W. & L.P. Reitz. 1963. Classification of *Triticum* species and of wheat varieties grown in the United States. USDA Tech. Bull. 1278. 135 pp.

Bowden, W.M. 1962. Cytotaxonomy of the native and adventive species of *Hordeum*, *Eremopyrum*, *Secale*, *Sitanion*, and *Triticum* in Canada. Can. J. Bot. 40:1675-1711.

Gupta, P.K. & B.R. Baum. 1986. Nomenclature and related taxonomic issues in wheats, triticales and some of their wild relatives. Taxon 35(1):144-149.

****aestivum*** Linnaeus [Allred 2005; M&H]

wheat

cylindricum (Host) Cesati = Aegilops cylindrica Host

elongatum Host = Elymus elongatum (Host) Runemark

ponticum Podpěra = Elymus elongatus (Host Runemark subsp. ponticus (Podpěra) Melderis

Uralepis elongata Buckley = Tridens muticus (Torrey) Nash var. elongatus (Buckley) Shinners

Urochloa signalgrass

Hatch, S.L. 1977. New grass distribution records for New Mexico and the United States. Great Basin Naturalist 37(4):530-531. [*Urochloa ciliatissima*, *Urochloa texana*, *U. panicoides*]

Morrone, O. & F.O. Zuloaga. 1993. Sinopsis del genero *Urochloa* (Poaceae: Panicoideae: Paniceae) para Mexico y America Central. Darwiniana 32:59-75.

Spellenberg, R. 1978. New plant distribution records from the southwestern United States and northern Mexico. Madroño 25:169-170. [*Urochloa panicoides*]

Webster, R.D. 1988. Genera of the North American Paniceae (Poaceae: Panicoideae). Syst. Bot. 13(4):576-609.

Wipff, J.K., R.I. Lonard, S.D. Jones, & S.L. Hatch. 1993. The genus *Urochloa* (Poaceae: Paniceae) in Texas, including one previously unreported species for the state. Sida 15:405-413.

arizonica (Scribner & Merrill) Morrone & Zuloaga [Allred 2005; M&H; W&S]

Arizona signalgrass

Brachiaria arizonica (Scribner & Merrill) S.T. Blake

Panicum arizonicum Scribner & Merrill

ciliatissima (Buckley) R.D. Webster [Allred 2005; Hatch 1977]

fringed signalgrass

Brachiaria ciliatissima (Buckley) Chase

fasciculata (Swartz) R.D. Webster = Urochloa fusca (Swartz) Hansen & Wunderlin

fusca (Swartz) Hansen & Wunderlin [Allred 2005; M&H; W&S]

browntop signalgrass

Brachiaria fasciculata (Swartz) Parodi

Panicum fasciculatum Swartz var. *reticulatum* (Torrey) Beal

Panicum fuscum Swartz

Urochloa fasciculata (Swartz) R.D. Webster

****panicoides*** Beauvois [Allred 2005; Hatch 1977]

liverseed grass

texana (Buckley) R.D. Webster [Allred 2005; Hatch 1977]

Texas signalgrass

Brachiaria texana (Buckley) S.T. Blake

Panicum texanum Buckley

Valota saccharata (Buckley) Chase = Digitaria californica (Bentham) Henrard

Vilfa cryptandra (Torrey) Torrey ex Trinius var. *flexuosa* Thurber ex Vasey = Sporobolus flexuosus (Thurber ex Vasey) Rydberg

Vulpia sixweeks-fescue

Darbyshire, S.J. & S.I. Warwick. 1992. Phylogeny of North American *Festuca* (Poaceae) and related genera using chloroplast DNA restriction site variation. Can. J. Bot. 70:2415-2429.

Hatch, S.L. 1977. New grass distribution records for New Mexico and the United States. Great Basin Naturalist 37(4):530-531. [*Vulpia myuros*]

Lonard, R.I. & F.W. Gould. 1974. The North American species of *Vulpia* (Gramineae). Madroño 22:217-230.

Spellenberg, R., M. Mahrt & R. Brozka. 1991. Noteworthy collections, New Mexico. Madroño 38:298-301. [*Vulpia microstachys microstachys*]

****bromoides*** (Linnaeus) S.F. Gray [Allred 2005]

brome sixweeks-fescue

Festuca dertonensis (Allioni) Ascherson & Graebner

microstachys (Nuttall) Munro in Bentham var. ***microstachys*** [Allred 2005]

small sixweeks-fescue

microstachys (Nuttall) Munro in Bentham var. ***pauciflora*** (Scribner ex Beal) Lonard & Gould [Allred 2005; M&H; W&S]

small sixweeks-fescue

Festuca microstachys Nuttall var. *pauciflora* Scribner ex Beal

Festuca pacifica Piper

myuros (Linnaeus) C.C. Gmelin var. ***hirsuta*** Hackel [Allred 2005; M&H]

rattail sixweeks-fescue

Festuca megalura Nuttall

****myuros*** (Linnaeus) C.C. Gmelin var. ***myuros*** [Allred 2005; Hatch 1977; M&H]

rattail sixweeks-fescue

Festuca myuros Linnaeus

octoflora (Walter) Rydberg var. ***glauca*** (Nuttall) Fernald [Allred 2005; M&H]

sixweeks-fescue

Festuca octoflora Walter var. *glauca* (Willdenow) Fernald

Festuca octoflora Walter var. *tenella* (Willdenow) Fernald

Festuca tenella Willdenow

octoflora (Walter) Rydberg var. ***hirtella*** (Piper) Henrard [Allred 2005]

sixweeks-fescue

Festuca octoflora Walter subsp. *hirtella* Piper

octoflora (Walter) Rydberg var. ***octoflora*** [Allred 2005; M&H; W&S]

sixweeks-fescue

Festuca octoflora Walter var. *octoflora*

Zea corn

Doebley, J.F. & H.H. Iltis. 1980. Taxonomy of *Zea* (Gramineae). I. A subgeneric classification with key to taxa. Amer. J. Bot. 67:982-993.

Iltis, H.H. & J.F. Doebley. 1980. Taxonomy of *Zea* (Gramineae). II. Subspecific categories in the *Zea mays* complex and a generic synopsis. Amer. J. Bot. 67:994-1004.

****mays*** Linnaeus subsp. ***mays*** [Allred 2005]

corn, maize

*Zoysia japonica Steudel (Japanese zoysiagrass) : Included by Allred (2005) only as an ornamental lawn grass and not known to escape.

*matrella (Linnaeus) Merrill (Manilla zoysiagrass) : Included by Allred (2005) only as an ornamental lawn grass and not known to escape.

Zuloagaea bulbosum (Kunth) Bess = Panicum bulbosum Kunth

Family PONTEDERIACEAE

Horn, C. 2002. Pontederiaceae, pp. 37-46. IN: Flora of North America, vol. 26. Oxford University Press, New York.

Rossati, T.J. 1987. The genera of Pontederiaceae in the southeastern United States. J. Arnold Arbor. 68:35-71.

Heteranthera mud-plantain

Adams, T. 1998. New plant distribution records. The New Mexico Botanist 7:6. [*Heteranthera rotundifolia*]

dubia (Jacquin) MacMillan : Reported as expected by M&H; awaits verification.

limosa (Swartz) Willdenow [Horn 2002; M&H; W&S]
blue mud-plantain
rotundifolia (Kunth) Grisebach [Adams 1998; Horn 2002]
round-leaf mud-plantain

Family POTAMOGETONACEAE

Potamogeton pondweed

Catling, P.M. & I. Dobson. 1985. The biology of Canadian weeds. 69. *Potamogeton crispus* L. Canad. J. Plant Sci. 65:655-668.
Correll, D.S. and H.B. Correll. 1972. Aquatic and Wetland Plants of Southwestern United States. Stanford Univ. Press.
Haynes, R.R. 1974. A revision of North American *Potamogeton* subsection *Pusilli* (Potamogetonaceae). Rhodora 76:564-649.
Haynes, R.R. & C.B. Hellquist. 2000. Potamogetonaceae, p. 47-74. IN: Flora North America, vol. 22. Oxford University Press. [Potamogeton pusillus pusillus]
McGrath, J. 2000. New plant distribution records. The New Mexico Botanist 15:7. [*Potamogeton alpinus*]
McGrath, J. 2001. New plant distribution records. The New Mexico Botanist 19:3. [*Potamogeton richardsonii*]
Reznicek, A.A. & R.S.W. Bobbette. 1976. The taxonomy of *Potamogeton* subsection *Hybridi* in North America. Rhodora 78:650-673.
Stuckey, R.L. 1979. Distributional history of *Potamogeton crispus* (curly pondweed) in North America. Bartonia 46:22-42.
Wiegleb, G. & Z. Kaplan. 1998. An account of the species of *Potamogeton* L. (Potamogetonaceae). Folia Geobotanica 33(3):241-316.

alpinus Balbis [McGrath 2000]
alpine pondweed
americanus Chamisso & Schlechtendal = Potamogeton nodosus Poiret
berchtoldii Fieber var. *tenuissimus* (Mertens & Koch) Fernald = Potamogeton pusillus Linnaeus var. tenuissimus Mertens & Koch
****crispus*** Linnaeus [M&H]
curly pondweed
diversifolius Rafinesque [M&H]
water-thread pondweed
filiformis Persoon var. ***alpina*** (Blytt) Ascherson & Graebner [M&H]
slender-leaf pondweed
Potamogeton filiformis Persoon var. *borealis* (Rafinesque) St. John
Potamogeton filiformis Persoon var. *macounii* Morong
Stuckenia filiformis (Persoon) Boerner
filiformis Persoon var. *borealis* (Rafinesque) St. John = Potamogeton filiformis Persoon var. alpina (Blytt) Ascherson & Graebner
filiformis Persoon var. *macounii* Morong = Potamogeton filiformis Persoon var. alpina (Blytt) Ascherson & Graebner
foliosus Rafinesque var. ***foliosus*** [M&H; W&S]
leafy pondweed
Potamogeton foliosus Rafinesque var. *genuinus* Fernald
Potamogeton foliosus Rafinesque var. *macellus* Fernald
foliosus Rafinesque var. *genuinus* Fernald = Potamogeton foliosus Rafinesque
foliosus Rafinesque var. *macellus* Fernald = Potamogeton foliosus Rafinesque
gramineus Linnaeus [M&H; W&S]
grassy pondweed
Potamogeton gramineus Linnaeus var. *typicus* Ogden
Potamogeton gramineus Linnaeus var. *maximus* Morong
gramineus Linnaeus var. *maximus* Morong = Potamogeton gramineus Linnaeus
gramineus Linnaeus var. *typicus* Ogden = Potamogeton gramineus Linnaeus
illinoensis Morong [M&H]
Illinois pondweed
natans Linnaeus [M&H; W&S]
floating pondweed
nodosus Poiret [M&H; W&S]
long-leaf pondweed
Potamogeton americanus Chamisso & Schlechtendal
pectinatus Linnaeus [M&H; W&S]
sago pondweed
Stuckenia pectinata (Linnaeus) Boerner
pusillus Linnaeus var. ***pusillus*** [Haynes & Hellquist 2000]
small pondweed
pusillus Linnaeus var. ***tenuissimus*** Mertens & Koch [Correll & Correll 1972; M&H]
small pondweed
Potamogeton berchtoldii Fieber var. *tenuissimus* (Mertens & Koch) Fernald
richardsonii (Bennett) Rydberg [McGrath 2001]
red-head pondweed

Stuckenia filiformis (Persoon) Boerner = Potamogeton filiformis Persoon
pectinata (Linnaeus) Boerner = Potamogeton pectinata Linnaeus
Zannichellia = see ZANNICHELLIACEAE

Family RUPPIACEAE

Haynes, R.R. 2000. Rupiaceae, p. 75-76. IN: Flora North America, vol. 22. Oxford University Press.

Ruppia ditch-grass

cirrhosa (Petagna) Grande [Haynes 2000; M&H]
spiral ditch-grass
Ruppia maritima of NM reports
maritima of NM reports = Ruppia cirrhosa (Petagna) Grande

Family SPARGANIACEAE

Kaul, R.B. 2000. Sparganiaceae, p. 270-277. IN: Flora North America, vol. 2. Oxford Univ. Press.

Sparganium bur-reed

McGrath, J. 2000. Notes on *Sparganium emersum* and *S. angustifolium*. The New Mexico Botanist 15:5.

angustifolium Michaux [Kaul 2000; M&H]
narrow-leaf bur-reed
Sparganium multipedunculatum (Morong) Rydberg
emersum Rehmann [McGrath 2000]
emergent bur-reed
eurycarpum Engelmann ex Gray [Kaul 2000; M&H]
broad-fruit bur-reed
multipedunculatum (Morong) Rydberg = Sparganium multipedunculatum (Morong) Rydberg

Family TYPHACEAE

Smith, S.G. 2000. Typhaceae, p.278-285. IN: Flora North America, vol. 22. Oxford University Press.

Typha cattail

Hotchkiss, N. 1949. Taxonomy and distribution of North American cat-tails. Amer. Midl. Natur. 41:237-254.
Spellenberg, R., R. Worthington, P. Knight, & R. Fletcher. 1986. Additions to the flora of New Mexico. Sida 11(4):455-470. [*Typha domingensis*]

****angustifolia*** Linnaeus [M&H; Smith 2000]
narrowleaf cattail
domingensis Persoon [Smith 2000; Spellenberg et al. 1986]
southern cattail
latifolia Linnaeus [M&H; Smith 2000; W&S]
broadleaf cattail

Family ZANNICHELLIACEAE

Haynes, R.R. & C.B. Hellquist. 2000. Zannichelliaceae, p. 84-85. IN: Flora North America, vol. 22. Oxford University Press.

Zannichellia horned-pondweed

palustris Linnaeus [M&H; W&S]
horned-pondweed