
OCCASIONAL PAPERS OF THE MUSEUM OF SOUTHWESTERN BIOLOGY

NUMBER 10, pp. 1–67

12 February 2007

Checklist of Vascular Plants in the Sandia and Manzano Mountains of Central New Mexico

ROBERT C. SIVINSKI¹

ABSTRACT

The flora of the central New Mexico range of mountains consisting of the Sandia, Manzanita and Manzano mountains is predominantly influenced by the southern Rocky Mountain regional flora, but also contains floristic elements from the adjacent Chihuahuan Desert, Great Plains and Colorado Plateau ecoregions. This vascular plant checklist documents 100 families, 454 genera, 798 native species, 108 exotic species, and 31 additional native infraspecific taxa for a total of 937 kinds of plants in the Sandia/Manzano range of mountains. Discussions of the local environment and climate, common plant associations, endemic and rare plants, exotic species, and plant collection history in this mountain range are included.

INTRODUCTION

The Sandia and Manzano range of mountains is the most striking topographic feature of central New Mexico. Nearly half of all New Mexicans can see this mountain range from their homes and many visit its forested peaks and canyons for outdoor recreation. Several illustrated field guides to New Mexico plants are commercially available for those who want to know the flora, but these usually focus upon common species and often lack geographic specificity. One-quarter of all the plant species in the entire State of New Mexico grow in the Sandia/Manzano mountains and no combination of the current illustrated field guides can cover all the plants in this area. A comprehensive botanical checklist is needed for scientists as well as the general public who enjoy exploring this mountain range for the plants that grow there.

This checklist is a floristic study intended to provide verifiable data for phytogeographic and biodiversity research. It combines, corrects, and adds to, previous floristic surveys of the Sandia and Manzano mountains.

All of the common plants, and most of the uncommon plants, in this area have been vouchered as specimens and preserved in herbaria where they are accessible to floristic and taxonomic researchers. Hopefully, this checklist will inspire further botanical exploration in the Sandia/Manzano range of mountains to add the plants I have been unable to document.

GEOGRAPHIC AREA

The Sandia/Manzano range of mountains traverses central New Mexico in a north-south direction on the east side of the Rio Grande valley. This range is approximately 96 km (60 miles) in length and usually less than 24 km (15 miles) wide. Foothills generally begin at about 1,840 m (6,000 feet) in elevation on the west slope and about 2000 m (6560 feet) on the east slope. The highest points are Sandia Crest at 3,257 m (10,687 feet) near the north end of the range, and Manzano Peak at 3,078 m (10,098 feet) near the south end of the range. This

range is cartographically subdivided into three mountain units (Figures 1, 2 and 3). The Sandia Mountains extend from near the Town of Placitas at the north end, south to Tijeras Canyon and Interstate Highway 40. The wider and lower mountains from Tijeras Canyon south to the Tarrant County line are locally called the Manzanita Mountains. In Tarrant County, the range becomes more elevated into the high peaks of the Manzano Mountains, which then descend to a southern point near Abo Pass and the Town of Mountainair. The Manzano and Manzanita segments together are called the 'Manzano Mountains' by most New Mexicans. These are separated from the Sandia Mountains only by Tijeras Canyon and, therefore, are collectively one Sandia/Manzano mountain range.

The high peaks of the Sandia and Manzano mountains tower above the most populous urban area of New Mexico, which includes the central Rio Grande cities and towns of Bernalillo, Rio Rancho, Sandia, Albuquerque, Isleta, Los Lunas and Belen. This range of mountains occupies southeastern Sandoval County, eastern Bernalillo County, eastern Valencia County, and western Tarrant County. Much of the Sandia/Manzano range falls within the Cibola National Forest, which is administered primarily for recreational use and wildlife habitat. Two wilderness areas have been designated in this national forest, the 38,000-acre Sandia Mountain Wilderness and the 37,000-acre Manzano Mountain Wilderness. Portions of the Sandia Mountain west-slope occur on the Sandia Indian Reservation. A large part of the Manzanita Mountains is on Isleta Indian Reservation or is access-limited by a U.S. Department of Defense reservation. The lower eastern slopes of this range are mostly in private ownership and severely impacted by exurban development from adjacent metropolitan areas. Livestock grazing and timber harvest were historically important land uses in the Sandia/Manzano range, but are less significant today.

GEOLOGY

(Contributed by Barry S. Kues, Professor, Department of Earth and Planetary Sciences, University of New Mexico.)

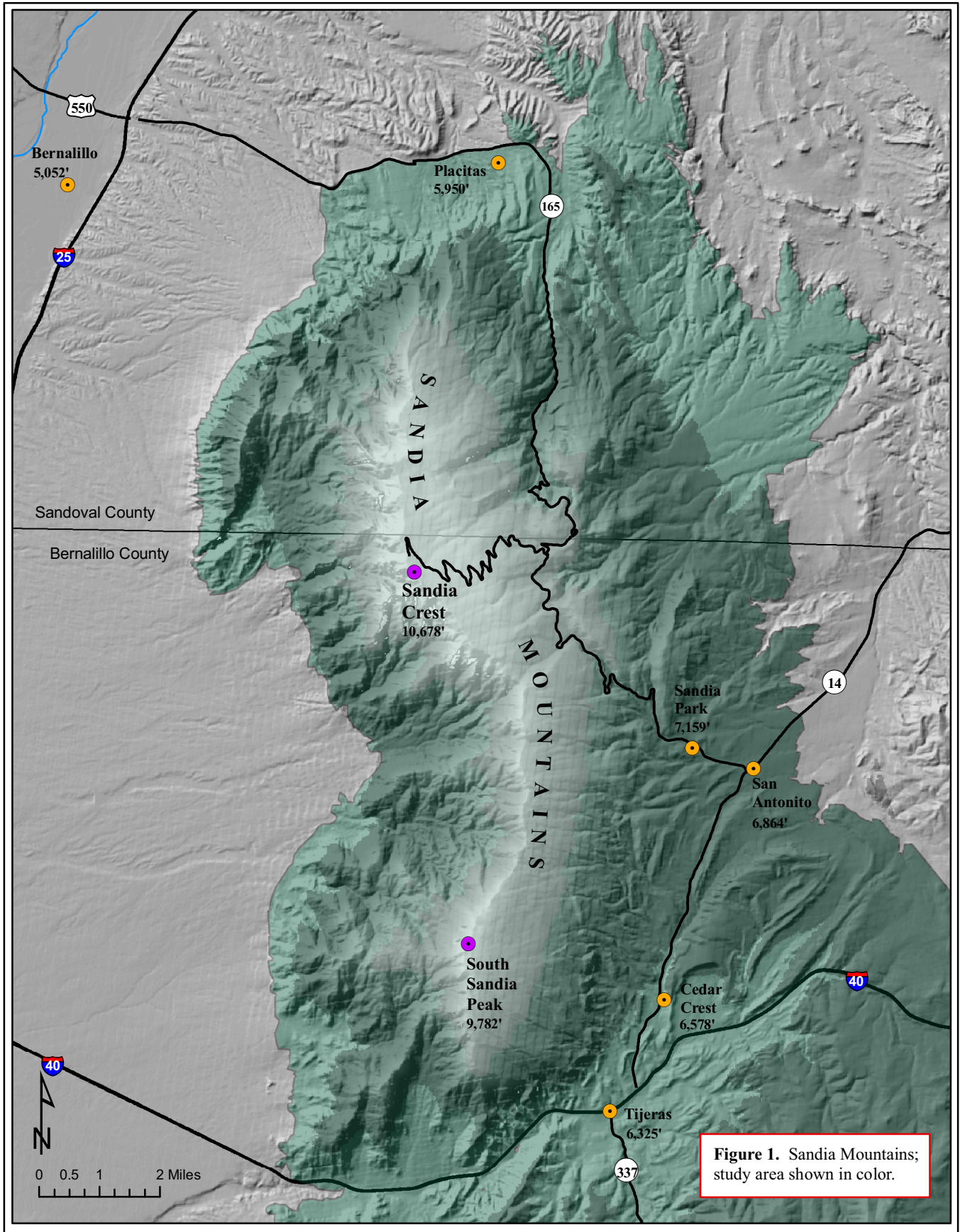
The Sandia/Manzano mountain range is a line of uplifted fault blocks that rose along west-bounding faults as the adjacent Rio Grande rift subsided to the west. The rift extends from Colorado southward, bisecting New Mexico and extending into west Texas and Mexico, and includes the valley of the Rio Grande. Uplift of the Sandia/Manzano mountains began about 25 million years ago, producing a range with a steeply sloping west face along the fault lines, while the eastern side slopes much more gently. The core of these mountains, best

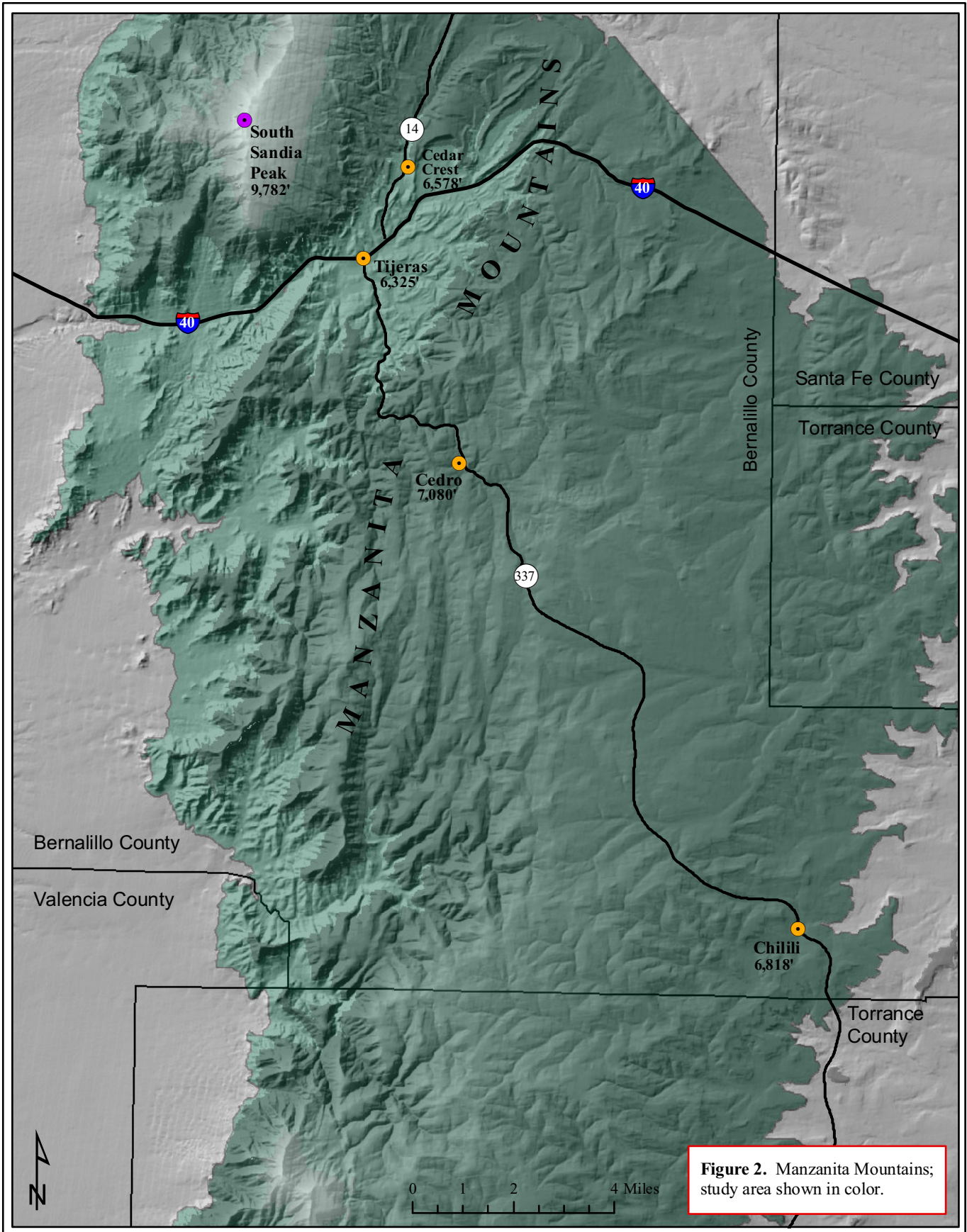
exposed along the west face of the Sandia Mountains, is Precambrian (1.45 billion year old) granite, but older Precambrian metamorphic rocks, such as schist and gneiss, are also present, especially in Tijeras Canyon and on Rincon ridge, the large west-facing structure at the northern end of the Sandias near Placitas. Precambrian rocks (several igneous plutonic granite bodies and a more extensive and complex assortment of metamorphic rocks) are also continuously exposed along the western base of the Manzanita and Manzano Mountains to the south. In these mountains, the Precambrian exposures are locally more highly dissected with canyons than is the case in the Sandia Mountains.

Throughout the Sandia/Manzano range Precambrian crystalline rocks are overlain unconformably with marine sedimentary rocks (chiefly limestones and shales) of Pennsylvanian age (about 300 million years old). These strata are well exposed along the crest and eastern slopes of the range. As the mountains rose along their bounding faults, an estimated 4000+ meters of younger Paleozoic, Mesozoic, and Cenozoic strata originally present above the Pennsylvanian were eroded, most intensively from the higher parts of the mountains. Most of these sediments were deposited in the adjacent subsiding rift. In the Sandia Mountains, exposures of these younger rocks are still preserved along the eastern base of the range (along I-40 east of Tijeras, and along NM-14N from Tijeras north to the turn off to Sandia crest). A nearly continuous sequence of Permian, Triassic, Jurassic, Cretaceous and Cenozoic sedimentary rocks is also present in the Hagan Basin, which extends northeastward from the north end of the Sandias. Lithologies of these strata are varied, ranging from red sandstones and shales (Permian Abo Formation) to gypsum and limestone of the Jurassic Todilto Formation, to fluvial sandstone and floodplain deposits bearing coal beds of the Late Cretaceous Mesaverde Group. These varied rock types, notably the Todilto gypsum near Placitas, have influenced the distribution of some plant taxa.

The geology of the Manzanita and Manzano Mountains part of the uplift is simpler. The thick sequence of Pennsylvanian limestone and shale that overlies the Precambrian crystalline rocks extends much farther eastward (in some areas 25 km or more) from the crest of these ranges than is the case in the Sandia Mountains, before disappearing beneath Quaternary lake sediments of the Estancia Basin. Except at the south end of the Manzano Mountains, where Permian strata overlie the Pennsylvanian, no rocks younger than Pennsylvanian are exposed, in contrast to the Sandia Mountains.

More detailed information on the geology of this area may be found in Kelley and Northrop (1975), Grambling and Wells (1982), Pazzaglia and Lucas (1999), and Bauer et al. (2003).





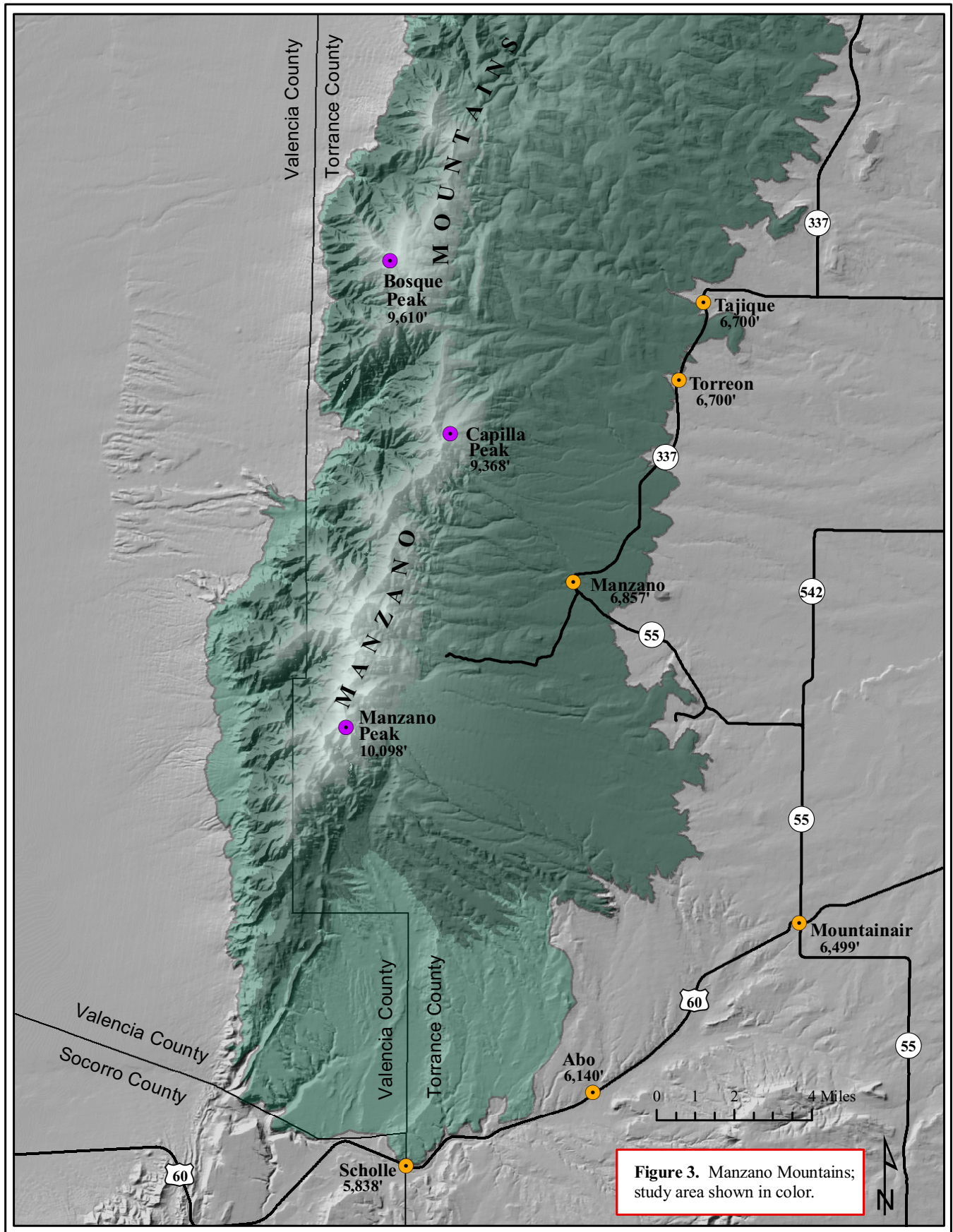


Figure 3. Manzano Mountains; study area shown in color.

CLIMATE

Orographic effects on local climate in the Sandia and Manzano Mountains are typical of an inland mountain range. The summits of these mountains have lower temperatures and higher precipitation than do the foothills of the range. Precipitation patterns during an average year are bimodal with the peaks of moisture occurring during the late summer months and another pulse of moisture during winter. Temperature extremes of greater than 100°F on the western foothill during summer and below 0°F at the highest peaks in winter are infrequent, but normal, events nearly every year.

Long-term weather averages are exemplified by Western Regional Climate Center (1986) data obtained from three weather stations. A 26-year average of total annual precipitation in subalpine forest on the Sandia Crest is 22.94 inches. Average total snowfall here is 116.2 inches. Average maximum/minimum temperatures at this high elevation station are 26.8°F/13.1°F for the month of January and 66.3°F/47.4°F during July. The mid-elevation weather station at Tijeras Ranger Station in piñon-juniper woodland shows a 12-year average total annual precipitation of 15.31 inches and average total snowfall of 13.8 inches. Average maximum/minimum temperatures at Tijeras are 44.8°F/15.3°F for January and 88.1°F/54.2°F for July. The Albuquerque Airport weather station is not in the mountains, but situated on the grassland bajada between the mountain range and the Rio Grande. The 91-year average here for total annual precipitation is 8.69 inches and the average total snowfall is 9.7 inches. Average maximum/minimum temperatures at the airport are 47.1°F/23.4°F for January and 91.7°F/64.6°F during July.

FLORISTIC AFFINITIES

The relatively high plant species diversity in the Sandia/Manzano range is largely due to the position of these mountains near the confluence of four floristic regions: southern Rocky Mountains to the north, Chihuahuan Desert in the south, Great Plains short-grass prairie near the east slope, and Colorado Plateau of the Great Basin to the west. Variations in elevation, substrate, and exposure provide suitable habitats for many species from all of these regional floras.

The southern Rocky Mountain flora has, by far, the greatest floristic influence on the Sandia/Manzano range, especially at higher elevations. Most of the dominant plant species above 2,100 m (7,000 feet) are also found in the Sangre de Cristo and Jemez mountains of north-central New Mexico, which mark the southern terminus of the Rocky Mountains. Rocky Mountain plants that reach their southern-most range extreme in the Sandia/Manzano mountains include *Aletes acaulis* (Torr.) Coulter & Rose, *Polemonium brandegeei* (A. Gray) Greene,

Minuartia macrantha (Rydb.) House, *Moebria macrophylla* (Hook.) Frenzl, *Pediocactus simpsonii* (Engelm.) N.P. Taylor, *Astragalus scopulorum* Porter, *Lupinus sericeus* Pursh, *Trifolium attenuatum* Greene, *Illiamna grandiflora* (Rydb.) Wiggins, *Rumex densiflorus* Osterhout, *Agrostis idahoensis* Nash, *Poa arctica* R. Br., *Crataegus macracantha* Loddiges ex Loud var. *occidentalis* (Britt.) Eggl., *Sorbus scopulina* Greene and *Ribes americanum* P. Miller. More surprising is the absence of some Rocky Mountain species that are common in the Sangre de Cristo Mountains to the north, and in the Sacramento Mountains or Black Range of southern New Mexico. For instance, I cannot find any specimen evidence for *Cicuta maculata* L., *Deschampsia caespitosa* (L.) Beauv., *Hymenoxys hoopesii* (A. Gray) Biener, *Lonicera involucrata* Banks ex Spreng., *Mentzelia rusbyi* Woot., *Salix bebbiana* Sarg., or *Salix scouleriana* Barratt ex Hook. from the Sandia/Manzano mountains. These may be found in future searches, but at present, the Sandia/Manzano range of mountains appears to be a gap in their distributions.

The Chihuahuan Desert floristic region reaches its northern range extreme in the Rio Grande valley just south of Albuquerque, New Mexico. Several floristic elements from this desert region occur on the western and southern foothills of the Sandia/Manzano range below 2,100 m (7,000 feet) in elevation. This floristic influence is most pronounced near the southern end of the Manzano Mountains. Plants with Chihuahuan Desert affinities include *Matelea producta* (Torr.) Woodson, *Acourtia nana* (A. Gray) Reveal & King, *Brickellia floribunda* A. Gray, *Cryptantha oblata* (M.E. Jones) Payson, *Cryptantha paysonii* (Macbr.) I.M. Johnst., *Nerisyrenia camporum* (A. Gray) Greene, *Physaria gordonii* (A. Gray) O'Kane & Al-Shehbaz, *Echinomastus intertextus* (Engelm.) Britt. & Rose, *Calliandra humilis* Benth., *Dalea formosa* Torr., *Salvia subincisa* Benth., *Eriogonum rotundifolium* Benth., *Acleisanthes lanceolatus* (Woot.) R.A. Levin, *Boerhavia spicata* Choisy, and *Delphinium wootonii* Rydb. Many others are common floristic elements of warm North American deserts in general, such as *Ambrosia monogyra* (Torr. & Gray) Strother & Baldwin, *Chilopsis linearis* (Cav.) Sweet, *Prosopis glandulosa* Torr., *Phacelia caerulea* Greene, and *Eriastrum diffusum* (A. Gray) Mason, etc.

Southern floristic influences also include several species from the mountain ranges of southern New Mexico and Arizona, west Texas, or the Sierra Madre of northwestern Mexico. For instance, southern montane species such as *Aletes filifolius* Math. et al., *Baccharis bigelovii* A. Gray, *Brickellia rusbyi* A. Gray, *Erigeron neomexicanus* A. Gray, *Viguiera dentata* (Cav.) Spreng., *Hackelia pinetorum* (Greene) I.M. Johnst., *Physaria pinetorum* (Woot. & Standl.) O'Kane & Al-Shehbaz,

Silene plankii C.L. Hitchc. & Maguire, *Sicyos ampelophyllus* Woot. & Standl., *Ipomoea costellata* Torr., *Garrya wrightii* Torr., *Hedeoma oblongifolia* (A. Gray) Heller, *Muhlenbergia longiligula* A.S. Hitchc., and *Primula ellisiae* Pollard & Cockerell reach their northern-most range extremes in the Sandia/Manzano mountain range.

The shortgrass prairie of the southern Great Plains Region extends across eastern New Mexico and reaches its western limit near the eastern foothill of the Sandia/Manzano range. Only a few plants with predominantly Great Plains affinities show up in these mountains, and are often associated with disturbed habitats. Examples of roadside species include *Stenosiphon linifolius* (Nutt.) Heynhold, *Calylophus serrulatus* (Nutt.) Raven and *Hedyotis nigricans* (Lam.) Fosberg along Interstate 40, *Buchloe dactyloides* (Nutt.) Engelm. in road ditches west of San Antonito, and *Penstemon albidus* Nutt. at Cienega Canyon Picnic Area. These plants are native to the eastern New Mexico plains, but have only limited occurrence in the Sandia/Manzano mountains, perhaps as accidental introductions.

Plant species with affinities to the Colorado Plateau of the Great Basin regional flora are mostly confined to the northern and western foothills of Sandia Mountain. Some species, such as *Chrysothamnus depressus* Nutt., *Astragalus newberryi* A. Gray, *Streptanthus cordatus* Nutt., *Penstemon ophianthus* Pennell, *Eriogonum effusum* Nutt., *Eriogonum lonchophyllum* Torr. & Gray, and *Eriogonum microthecum* Nutt. reach their southeastern distributional limits in the Sandia/Manzano mountain range. Other plants with predominantly Colorado Plateau affinities include *Ephedra viridis* Cov., and *Cryptantha fulvocanescens* (S. Wats.) Payson.

ENDEMIC AND RARE SPECIES

Heuchera pulchella Woot. & Standl. is the only plant species thus far known to be strictly endemic to the Sandia/Manzano range of mountains. This beautiful pink alumroot is abundant on the limestone cap of Sandia Crest and also in a few scattered locations in the Manzano Mountains. *Hymenoxys brachyactis* Woot. & Standl. is another endemic that is nearly confined to the Manzano Mountains, but also occurs at a few locations south of our range in the adjacent Los Pinos and Gallinas Mountains.

A few other species in our flora are New Mexico endemics that are not strictly confined to the Sandia/Manzano mountain range. The New Mexico endemics, *Scrophularia montana* Woot. and *Delphinium sapellonis* Cockerell, are abundant in the Sandia/Manzano range, but also range north into the southern Rocky Mountains of northern New Mexico. *Tedradymia filifolia* Greene occurs widely on gypseous soils and gypsum

outcrops in New Mexico and shows up in the Sandia Mountain flora at a single location on gypsum near the Town of Placitas. The cactus, *Grusonia clavata* (Engelm.) H. Robinson, is an abundant endemic throughout grasslands of central New Mexico and has a few locations on the foothills of this mountain range. *Astragalus feensis* M.E. Jones is endemic to north-central New Mexico, but reaches the lower northwestern slope of the Sandia Mountains and is southwardly disjunct to Priest Canyon at the south end on the Manzano Mountains. *Packeria sanguisorboides* (Rydb.) W.A. Weber & A. Löve ranges from the mountains of north-central New Mexico to the mountains in the southern part of the state and is present on Sandia Crest.

Many plant taxa in the Sandia/Manzano flora have wide distributional ranges to adjacent states, but are infrequently encountered in this mountain range. They may be common in other parts of their range, but are rare in Sandia/Manzano flora. Plant taxa known from only a single collection in this mountain range are too numerous to mention here. A few of these are noteworthy because of their usual distributions or overall rarity. *Minuartia macrantha* (Rydb.) House occurs in alpine habitats in Colorado and adjacent Utah. Its discovery on Sandia Crest is a first record for this species in New Mexico and a 200-mile southward extension of its range from its nearest population in southern Colorado. There are only about 80 plants of this species on Sandia Crest just north of Kiwanis Cabin and it does not appear to occur anywhere else in this mountain range. *Dodecatheon ellisiae* Standley has a disjunct distribution from the Sandia/Manzano mountains to the mountains of the Mogollon Plateau in southwestern New Mexico and eastern Arizona. This white-flowered shootingstar was initially described from a Sandia Mountain collection, but is presently known in our flora form only a few plants in Cañon Colorado in the Manzano Mountains. The Sandia Mountain type locality population has yet to be relocated. *Silene plankii* C.L. Hitchc. & Maguire appears to be very rare throughout its range from the Franklin Mountains above El Paso, Texas through the desert mountains of south-central New Mexico. It reaches its northern range extreme on the west facing cliffs below Sandia Crest. The size and extent of the Sandia/Manzano mountains population are presently unknown.

INTRODUCED SPECIES

The Sandia/Manzano flora presently has a total of 108 exotic plant species that are not native to western or central North America. This number represents 11.5% of the 937 plant taxa presently known to occur in this mountain range. A few, such as *Papaver rhoeas* L., *Foeniculum vulgare* L., *Pyracantha coccinea* Roemer, etc. are occasional garden escapes that may or may not per-

sist in our flora. Several others were purposely planted in this mountain range at earlier times and have become a fully naturalized and permanent part of the flora. This is the case for European and Eurasian pasture grasses such as *Agrostis gigantea* Roth, *Bromus inermis* Leysser, *Dactylis glomerata* L., *Poa pratensis* L., etc., and some legumes used for reclamation and livestock forage such as *Melilotus officinalis* (L.) Lam., *Trifolium pratense* L., etc. Some of these may have serious consequence to natural ecosystems, but are not generally looked upon as weeds because of their value as livestock and wild-life forage.

Fortunately, only a few of the non-native plants in our flora have proliferated to the point of becoming noxious weeds. At this time, the most serious plant pests are exotic trees, such as *Ulmus pumila* L., *Tamarix* sp., and *Elaeagnus angustifolia* L. that spread along roadsides and into riparian areas and springs. The worst of these is *Ulmus pumila*, which is in most canyons and lines many miles of roads from arid foothills up to mixed conifer forest. *Lythrum salicaria* L. is a noxious wetland weed that has gained a foothold on a spring seep on Highway 14 just north of I-40. This infestation should be eradicated before this destructive plant can further spread to the precious few springs and wetlands in the Sandia/Manzano range of mountains.

Most relatively dry habitats from the arid foothills up to ponderosa pine forest have very limited number and cover of non-native plants, except for a few exotic ephemerals usually in the families Poaceae, Brassicaceae and Chenopodiaceae. Large infestations of these non-native annuals are almost always associated with disturbed ground where the native vegetation has been removed or severely impacted by livestock or human activities. Additional introduced plants should be looked for along highways, in irrigated pastures, and around corrals where hay is fed to livestock, which are the places where noxious weed infestations usually start.

Several plants that are not native to this mountain range have been purposely planted on the national forest for reclamation or landscaping. Some, such as *Penstemon palmeri* A. Gray, *Coronilla varia* L., *Psathyrostachys juncea* (Fischer) Nevski, and *Bothriochloa ischaemum* (L.) Keng, are reproductive without further cultivation and included in this checklist. Others will individually persist for a time and then likely disappear. Examples include a few shrubs of *Prunus fasciculata* (Torr.) A. Gray and *Shepherdia argentea* (Pursh) Nutt. planted on the side of the road to La Luz Trail head, several *Salix purpurea* L. planted along the nature trail at Las Huertas Creek, *Populus alba* L. planted along I-40 and Highway 14, and a few *Iris germanica* L. at Tunnel Spring. These are not included in this checklist of the flora, and are mentioned here only to acknowledge their presence.

PLANT COMMUNITIES

Species affinities for specific plant communities are given only as a general guide for habitat, relative elevation, local climate, and association with other species. No single source of nomenclature for ecological life zones, associations, and their subdivisions is used for the plant community names used in this checklist. The simple plant community names employed here are in common and local use. In ascending order of elevation and precipitation they are: foothill scrub at the arid base of the west face, piñon-juniper woodland, ponderosa pine forest, mixed conifer forest, and subalpine forest on the highest peaks. Plant communities on special habitats, such as rock outcrops and wetland areas, are also included and can occur at all elevations. The dominant, or common, plants found in each of these communities are listed in Tables 1 to 7.

Variations in temperature and effective precipitation make it difficult to assign specific elevation limits to the plant communities in the Sandia/Manzano range of mountains. Comparable plant communities on the gently sloping east face of the mountain can be as much as 300 meters (ca 1,000 feet) lower in elevation than on the warmer, more arid escarpment of the west face. Local topography also influences elevation position. For instance, piñon-juniper woodlands on dry, south-facing exposures extend well into higher elevations normally occupied by ponderosa pine forest. Conversely, canyon bottoms that concentrate water runoff and are subject to cool air drainage will support stringers of ponderosa pine and mixed conifer forest at lower than normal elevations. Numerous small and local subdivisions of plant communities are evident throughout this range of mountains and are often associated with variations in substrate, fire history and human disturbance. Species affinities to meadows, aspen glades, limestone, gypsum, etc. are noted in this checklist when they are evident in the field.

COLLECTION HISTORY

Many botanists have made collection trips to the Sandia/Manzano mountain range and made their plant specimens available for floristic study and scientific investigation by depositing them in various herbaria throughout the United States. Botanical collection is presently waning in much of New Mexico for the reasons that floristic botany is no longer held in high regard at many academic institutions and amateur botanists are rarely encouraged pick up plants for deposition in regional herbaria. Fortunately, early plant collections are still available for study and are an important part of this floristic assessment. The following is a brief history of the most significant plant collection activities and floristic publications for the Sandia/Manzano range.

John Bigelow was the first botanist to make a sig-

Table 1. Common native plants of the foothill scrub community in the Sandia/Manzano mountains.

Grasses	
<i>Aristida purpurea</i>	red threeawn
<i>Bothriochloa laguroides</i>	silver bluestem
<i>Bouteloua curtipendula</i>	sideoats grama
<i>Bouteloua eriopoda</i>	black grama
<i>Bouteloua gracilis</i>	blue grama
<i>Elymus longifolius</i>	longleaf-squirreltail
<i>Hesperostipa comata</i>	needle-and-thread
<i>Pleuraphis jamesii</i>	galleta
<i>Sporobolus cryptandrus</i>	sand dropseed
Trees & Shrubs	
<i>Atriplex canescens</i>	four-wing saltbush
<i>Brickellia californica</i>	California brickellbush
<i>Celtis laevigata</i>	netleaf hackberry
<i>Cylindropuntia imbricata</i>	cane cholla
<i>Ephedra torreyana</i>	Torrey ephedra
<i>Ericameria nauseosa</i>	rubber rabbitbrush
<i>Fallugia paradoxa</i>	Apache plume
<i>Gutierrezia sarothrae</i>	broom snakeweed
<i>Juniperus monosperma</i>	one-seed juniper
<i>Lycium pallidum</i>	pale wolfberry
<i>Nolina greenei</i>	Greene's sacahuista
<i>Opuntia phaeacantha</i>	plains prickly-pear
<i>Quercus grisea</i>	gray oak
<i>Quercus turbinella</i>	shrub live oak
<i>Rhus trilobata</i>	three-leaf sumac
<i>Yucca glauca</i>	plains yucca
Forbs	
<i>Artemisia ludoviciana</i>	Louisiana wormwood
<i>Chaetopappa ericoides</i>	baby aster
<i>Cirsium ochrocentrum</i>	yellow-spine thistle
<i>Dalea candida</i>	white prairie-clover
<i>Datura wrightii</i>	sacred thorn-apple
<i>Dieteria canescens</i>	smooth purple aster
<i>Eriogonum jamesii</i>	James' wild-buckwheat
<i>Lithospermum incisum</i>	fringed gromwell
<i>Melampodium leucanthum</i>	plains blackfoot-daisy
<i>Physaria fendleri</i>	Fendler's bladderpod
<i>Senecio flaccidus</i>	threadleaf groundsel
<i>Sphaeralcea coccinea</i>	scarlet globe-mallow
<i>Stephanomeria pauciflora</i>	few-flowered wire-lettuce

nificant plant collection effort in the Sandia Mountains. Bigelow was the surgeon/naturalist for the 1853 Whipple Expedition, which was surveying a potential transcontinental railroad route across the western United States (Whipple 1857). The Whipple Expedition stopped in Albuquerque, New Mexico for the month of October 1853 to rest and regroup. Bigelow and the expedition's geologist, Jules Marcou, took this opportunity to explore

Table 2. Common native plants of the piñon-juniper woodland community in the Sandia/Manzano mountains.

Grasses	
<i>Aristida purpurea</i>	red threeawn
<i>Bouteloua curtipendula</i>	sideoats grama
<i>Bouteloua gracilis</i>	blue grama
<i>Elymus smithii</i>	western wheatgrass
<i>Lycurus setosus</i>	bristly wolftail
<i>Muhlenbergia torreyi</i>	ring muhly
<i>Pleuraphis jamesii</i>	galleta
<i>Poa fendleriana</i>	Fendler's muttongrass
Trees & Shrubs	
<i>Berberis haematocarpa</i>	algerita
<i>Cercocarpus montanus</i>	mountain mahogany
<i>Cylindropuntia imbricata</i>	cane cholla
<i>Fendlera rupicola</i>	cliff Fendler-bush
<i>Gutierrezia sarothrae</i>	broom snakeweed
<i>Juniperus deppeana</i>	alligator juniper
<i>Juniperus monosperma</i>	one-seed juniper
<i>Opuntia polyacantha</i>	hair-spine prickly-pear
<i>Pinus edulis</i>	piñon pine
<i>Quercus gambelii</i>	Gambel oak
<i>Quercus undulata</i>	wavy-leaf oak
<i>Yucca baccata</i>	datil
Forbs	
<i>Amauriopsis dissecta</i>	ragged-leaf bahia
<i>Astragalus missouriensis</i>	Missouri milkvetch
<i>Brickellia brachyphylla</i>	plumed brickellbush
<i>Castilleja integra</i>	foothills paintbrush
<i>Chamaesyce fendleri</i>	Fendler's spurge
<i>Dalea jamesii</i>	James' prairie-clover
<i>Erigeron flagellaris</i>	whiplash fleabane daisy
<i>Eriogonum jamesii</i>	James' wild-buckwheat
<i>Gaura coccinea</i>	scarlet bee-blossom
<i>Lepidium alyssoides</i>	Eastwood's pepperweed
<i>Mirabilis multiflora</i>	Colorado four-o'clock
<i>Penstemon jamesii</i>	James' penstemon
<i>Physalis hederifolia</i>	ivy-leaf ground-cherry
<i>Sphaeralcea coccinea</i>	scarlet globe-mallow
<i>Tetrandeum argentea</i>	perky-Sue

the nearby Sandia Mountains by ascending Tijeras Canyon and making forays from a base camp near San Antonito. Bigelow reached the crest of Sandia Mountain on October 10, 1853. The season was well into autumn, yet he made numerous plant collections including twelve that would become type specimens for new plant taxa (Sivinski 2003b). These collections were given to Asa Gray at Harvard and John Torrey in New York for

Table 3. Common native plants of the ponderosa pine forest community in the Sandia/Manzano mountains.

Grasses

<i>Achnatherum robustum</i>	sleepygrass
<i>Blepharoneuron tricholepis</i>	pine dropseed
<i>Bromus frondosus</i>	weeping brome
<i>Festuca arizonica</i>	Arizona fescue
<i>Koeleria macrantha</i>	Junegrass
<i>Muhlenbergia montana</i>	mountain muhly
<i>Poa fendleriana</i>	Fendler's muttongrass

Trees & Shrubs

<i>Berberis repens</i>	creeping Oregon-grape
<i>Ceanothus fendleri</i>	Fendler's buckbrush
<i>Juniperus scopulorum</i>	Rocky Mountain juniper
<i>Pinus ponderosa</i>	ponderosa pine
<i>Quercus gambelii</i>	Gambel oak
<i>Ribes leptanthum</i>	trumpet gooseberry
<i>Robinia neomexicana</i>	New Mexico locust

Forbs

<i>Allium cernuum</i>	nodding onion
<i>Antennaria marginata</i>	white-margin pussytoes
<i>Artemisia carruthii</i>	Carruth's sagebrush
<i>Castilleja linariifolia</i>	Wyoming paintbrush
<i>Conopholis alpina</i>	Mexican Indian-root
<i>Erigeron formosissimus</i>	beautiful fleabane daisy
<i>Eriogonum racemosum</i>	red-root wild-buckwheat
<i>Geranium caespitosum</i>	tufted geranium
<i>Hesperidanthus linearifolius</i> ..	slim-leaf plains-mustard
<i>Hieracium fendleri</i>	Fendler's hawkweed
<i>Hymenoxys richardsonii</i>	pinque
<i>Ipomopsis aggregata</i>	skyrocket
<i>Packera fendleri</i>	Fendler's groundsel
<i>Penstemon barbatus</i>	scarlet penstemon
<i>Physaria pinetorum</i>	White Mountain bladderpod
<i>Solidago missouriensis</i>	Missouri goldenrod
<i>Thalictrum fendleri</i>	Fendler's meadow-rue
<i>Verbena macdougalii</i>	MacDougal's vervain

determination and description. *Clematis bigelovii* Torrey, *Dieteria bigelovii* (A. Gray) Morgan & Hartman, *Gentiana bigelovii* A. Gray, and *Senecio bigelovii* A. Gray are four of the new Sandia Mountain species that commemorate their collector. Another of Bigelow's new Sandia Mountain plants, *Penstemon whippleanus* A. Gray, was given a commemorative epithet to honor the expedition leader, Lieutenant Amiel Weeks Whipple. Very

Table 4. Common native plants of the mixed conifer forest community in the Sandia/Manzano mountains.

Grasses

<i>Agrostis scabra</i>	rough bentgrass
<i>Blepharoneuron tricholepis</i>	pine dropseed
<i>Elymus canadensis</i>	Canada wildrye
<i>Elymus trachycaulus</i>	slender wheatgrass
<i>Melica porteri</i>	Porter's melica
<i>Poa pratensis</i>	Kentucky bluegrass

Trees & Shrubs

<i>Acer glabrum</i>	Rocky Mountain maple
<i>Acer grandidentatum</i>	canyon maple
<i>Abies concolor</i>	white fir
<i>Berberis repens</i>	creeping Oregon-grape
<i>Pachystima myrsinites</i>	mountain lover
<i>Pinus flexilis</i>	limber pine
<i>Pinus ponderosa</i>	ponderosa pine
<i>Populus tremuloides</i>	quaking aspen
<i>Pseudotsuga menziesii</i>	Douglas fir
<i>Robinia neomexicana</i>	New Mexico locust
<i>Rosa woodsii</i>	Wood's rose
<i>Rubus idaeus</i>	red raspberry
<i>Sambucus racemosa</i>	red elder
<i>Symphoricarpos rotundifolius</i> ..	round-leaf snowberry

Forbs

<i>Achillea millefolium</i>	western yarrow
<i>Actaea rubra</i>	red baneberry
<i>Castilleja miniata</i>	showy paintbrush
<i>Cirsium parryi</i>	pale thistle
<i>Psudocymopterus montanus</i>	mountain-parsley
<i>Draba helleriana</i>	Heller's Whitlow-grass
<i>Erigeron speciosus</i>	aspen fleabane daisy
<i>Geranium richardsonii</i>	Richardson's geranium
<i>Ipomopsis aggregata</i>	skyrocket
<i>Iris missouriensis</i>	Missouri iris
<i>Lathyrus leucanthus</i>	aspen sweetpea
<i>Ligusticum porteri</i>	osha
<i>Pedicularis procera</i>	giant lousewort
<i>Penstemon whippleanus</i>	dusky penstemon
<i>Polemonium foliosissimum</i>	Jacob's-ladder
<i>Pseudostellaria jamesiana</i>	sticky starwort
<i>Scrophularia montana</i>	mountain figwort
<i>Thermopsis montana</i>	golden pea

few plants would be collected from this mountain range during the 40 years after John Bigelow left New Mexico and moved on to California.

Suffering from tuberculosis-like symptoms, Charles L. Herrick was drawn away from the Chair of Geology and Natural History at Denison College in Ohio to the drier climate of Albuquerque where he served as the second President of the University of New Mexico from

Table 5. Common native plants of the subalpine forest community in the Sandia/Manzano mountains.

Grasses	
<i>Bromus ciliatus</i>	fringed brome
<i>Danthonia parryi</i>	Parry's danthonia
<i>Elymus trachycaulus</i>	slendler wheatgrass
<i>Festuca brachyphylla</i>	shortleaf fescue
<i>Festuca thurberi</i>	Thurber's fescue
<i>Poa arctica</i>	arctic bluegrass
<i>Poa interior</i>	interior bluegrass
<i>Trisetum montanum</i>	Rocky Mountain trisetum
Trees & Shrubs	
<i>Abies bifolia</i>	cork-bark fir
<i>Picea engelmannii</i>	Engelmann's spruce
<i>Pinus flexilis</i>	limber pine
<i>Pentaphylloides fruticosa</i>	shrubby cinquefoil
<i>Populus tremuloides</i>	quaking aspen
<i>Ribes wolfii</i>	Wolf's current
<i>Sambucus racemosa</i>	red elder
Forbs	
<i>Achillea millefolium</i>	western yarrow
<i>Aquilegia desertorum</i>	desert columbine
<i>Erigeron eximius</i>	spruce-fir fleabane daisy
<i>Frasera speciosa</i>	elk weed
<i>Maianthemum racemosum</i>	false Solomon's-seal
<i>Moebringia macrophylla</i>	large-leaf sandwort
<i>Orthilia secunda</i>	sidebells
<i>Osmorhiza depauperata</i>	lesser sweet-cicely
<i>Penstemon inflatus</i>	inflated penstemon
<i>Penstemon strictus</i>	Rocky Mountain penstemon
<i>Viola canadensis</i>	Canadian violet

1897 to 1901. Although better known as a geologist and neurologist, Herrick's diverse interests also included field botany. Despite on-going illness, he studied and collected the local flora, including the Sandia Mountain flora, for his personal herbarium until his death in 1904.

Many of Herrick's plant specimens reside at the New Mexico State University Herbarium (NMC) in Las Cruces, but no one knows the ultimate size of his personal herbarium. During Herrick's presidency, the second building on the UNM campus (after Hodgkin Hall) was constructed. This new building was the Hadley Climatological Laboratory, built in 1899 at a cost of \$14,000. According to Northrop (1966, p. 20) "On the first floor were laboratories of histology, zoology, botany, and geology, an herbarium, a lecture room, and a private study. Physics, chemistry, and bacteriology laboratories were on the second floor." "Good use was made of this building until May 23, 1910, when it was destroyed by fire, with

Table 6. Common native wetland plants at springs and wet canyon bottoms in the Sandia/Manzano mountains.

Grass-like Plants	
<i>Carex microptera</i>	small-wing sedge
<i>Eleocharis parishii</i>	Parish's spike-rush
<i>Glyceria striata</i>	fowl managrass
<i>Juncus arcticus</i>	Baltic rush
<i>Juncus ensifolius</i>	Rocky Mountain rush
<i>Schoenoplectus acutus</i>	hard-stem bulrush
Trees & Shrubs	
<i>Acer negundo</i>	boxelder
<i>Clematis ligusticifolia</i>	virgin's bower
<i>Cornus sericea</i>	red-oiser dogwood
<i>Forestiera pubescens</i>	New Mexico olive
<i>Populus angustifolia</i>	narrow-leaf cottonwood
<i>Populus deltoides</i>	Rio Grande cottonwood
<i>Prunus virginiana</i>	choke cherry
<i>Ribes leptanthum</i>	trumpet gooseberry
<i>Salix exigua</i>	coyote willow
<i>Salix irrorata</i>	blue-stem willow
<i>Vitis arizonica</i>	canyon grape
Forbs	
<i>Berula erecta</i>	water-parsnip
<i>Equisetum hyemale</i>	scouring rush
<i>Glycyrrhiza lepidota</i>	American licorice
<i>Mertensia franciscana</i>	San Francisco bluebells
<i>Ranunculus inamoenus</i>	graceful buttercup
<i>Rudbeckia laciniata</i>	cutleaf coneflower
<i>Sidalcea candida</i>	white checker-mallow
<i>Solidago altissima</i>	Canadian goldenrod
<i>Symphotrichum lanceolatum</i> ..	Wootton's aster

complete loss of apparatus and the botanical and geological collections, as well as the ethnological museum." Apparently, the only plant specimens by Herrick to survive this fire were those he had earlier sent to NMC. Many of his duplicate specimens at NMC would finally be sent back to UNM herbarium at a later date (Spellenberg 1997).

Herrick's university faculty included an Associate Professor of Biology, J.R. Watson, who shared his enthusiasm for the local flora. Watson has the distinction of publishing the first floristic manual of any kind in the Territory of New Mexico. His 'Manual of the More Common Plants Growing Without Cultivation in Bernalillo County, New Mexico' (Watson 1908) documented many plants for the Sandia Mountains and gave students and the public their first tool for local plant identification (Sivinski 1997). Unfortunately, Watson's plant specimens are not evident in any New Mexico herbaria

for identification to the premier Rocky Mountain botanist at that time, Aven Nelson, at Laramie, Wyoming. Castetter was often accompanied in the field by faculty colleague Howard Dittmer and the keen amateur botanist Ora Clark, both of whom made many additional, individual collections in the Sandia/Manzano range. These three botanists collaborated on the publication 'The Ferns and Fern Allies of New Mexico' (Dittmer et al. 1954), which cites Sandia and Manzano mountains distributions for many non-flowering vascular plants.

The Manzano Mountains portion of this range got some much needed floristic attention from 1962 to 1965 by Ervin Bedker, a UNM graduate student who produced 'A Study of the Flora of the Manzano Mountains' for his Master's thesis (Bedker 1966). Bedker made floristic assessments of seventeen sites in the Manzano segment of the mountain range and developed a dichotomous key for 396 plant taxa. Almost all of the plants he listed were vouchered and the specimens deposited at UNM. His UNM specimens are especially useful for floristic studies because they are readily available for identity verification or correction.

Bedker was a graduate student of William Martin, who was curator of the UNM Herbarium from 1958 to 1989. Several of Martin's other students, most notably Terry Dunbar, Reggie Fletcher and Warren Wagner, made many plant collections in the Sandia/Manzano range for the UNM Herbarium. The most prolific New Mexico plant collector at this time was Charles Hutchins, a keen amateur botanist who would swell the UNM collection by thousands of specimens from throughout the state during Martin's tenure as curator.

Martin and Hutchins collaborated for many years

to produce their two-volume publication 'A Flora of New Mexico' (Martin and Hutchins 1980, 1981). As a prelude to their state flora, Martin and Hutchins wrote 'A Manual of the Flora of the Sandia Mountains, New Mexico' (Martin and Hutchins 1975). This Sandia Mountain flora was privately published by the authors and used for several years as a teaching tool in Martin's classes on plant identification. It cannot, however, be considered an accurate floristic assessment of the mountain range because it was not entirely based upon actual voucher specimens. Many of the plant taxa in Martin's and Hutchins' Sandia flora are not corroborated by voucher specimens in the UNM collection, nor have they been cited elsewhere in the published botanical literature as occurring in the Sandia/Manzano range.

A history of floristic exploration in the Sandia/Manzano mountain range would not be complete without mention of two talented amateur botanists, Robert DeWitt Ivey and Gene Jercinovic. Both have explored much of the mountain range and presently contribute their specimen collections to the UNM Herbarium. Ivey lives in Albuquerque and is a skilled botanical illustrator who has produced several hundred drawings, many of which were made from plants in the Sandia/Manzano range. His self-published book, 'Flowering Plants of New Mexico' (Ivey 2003) is the most useful botanical field guide for amateurs and native plant enthusiasts in New Mexico. Jercinovic lives in the Manzano Mountains in Tajiue Canyon and has thoroughly explored the southern half of the Sandia/Manzano range. He also self-published a book, 'Wildflowers of the Manzanos' (Jercinovic 2003), which includes his photographs of each plant and line drawings by Ivey and Jercinovic.

STATISTICAL SUMMARY [Tables 8 and 9]

Table 8. Summary of vascular plant groups in the Sandia/Manzano flora.
(Two hybrid taxa are tallied as native species)

Group	Families	Genera	Native Species	Exotic Species	Total Species	Additional Intraspecific Taxa	Total Taxa
Ferns & Fern Allies	8	13	23	0	23	0	23
Gymnosperms	3	5	15	0	15	0	15
Dicots	77	359	611	81	693	22	714
Monocots	12	78	149	27	176	9	185
Totals	100	454	798	108	906	31	937

...continued

Table 9. Summary of all 100 vascular plant families in the Sandia/Manzano flora.

Family	Genera	Native Species	Exotic Species	Total Species	Additional Intraspecific Taxa	Total Taxa
Asteraceae	81	151	12	163	6	169
Poaceae	52	107	26	133	8	141
Fabaceae	22	42	8	50	2	52
Brassicaceae	24	28	12	40	2	42
Scrophulariaceae	11	26	3	29	0	29
Rosaceae	18	24	3	27	0	27
Polygonaceae	5	15	7	22	0	22
Ranunculaceae	11	20	0	20	0	20
Caryophyllaceae	12	15	4	19	0	19
Onagraceae	7	18	0	18	1	19
Cactaceae	9	16	0	16	2	18
Boraginaceae	7	16	0	16	1	17
Lamiaceae	12	14	3	17	0	17
Chenopodiaceae	7	11	5	16	0	16
Polemoniaceae	8	16	0	16	0	16
Malvaceae	5	10	1	11	2	13
Solanaceae	5	11	1	12	1	13
Cyperaceae	5	12	0	12	0	12
Apiaceae	9	9	2	11	0	11
Euphorbiaceae	4	10	1	11	0	11
Liliaceae	7	9	1	10	0	10
Pteridaceae	5	10	0	10	0	10
Asclepiadaceae	2	9	0	9	0	9
Nyctaginaceae	4	8	0	8	1	9
Pinaceae	4	9	0	9	0	9
Hydrophyllaceae	3	8	0	8	0	8
Salicaceae	2	8	0	8	0	8
Amaranthaceae	2	5	2	7	0	7
Ochidaceae	5	6	0	6	1	7
Rubiaceae	3	6	1	7	0	7
Convolvulaceae	3	4	2	6	0	6
Gentianaceae	4	5	0	5	1	6
Grossulariaceae	1	6	0	6	0	6
Verbenaceae	4	6	0	6	0	6
Fagaceae	1	5	0	5	0	5
Primulaceae	3	5	0	5	0	5
Juncaceae	1	5	0	5	0	5
Viscaceae	2	5	0	5	0	5
Aceraceae	1	3	0	3	1	4
Berberidaceae	1	4	0	4	0	4
Cupressaceae	1	4	0	4	0	4
Dryopteridaceae	2	4	0	4	0	4
Ericaceae	4	4	0	4	0	4
Orobanchaceae	2	3	0	3	1	4
Portulacaceae	2	3	1	4	0	4
Anacardiaceae	2	3	0	3	0	3
Crassulaceae	1	3	0	3	0	3
Equisetaceae	1	3	0	3	0	3
Geraniaceae	2	2	1	3	0	3
Hydrangeaceae	3	3	0	3	0	3
Iridaceae	2	3	0	3	0	3

[Table 9. Summary of all 100 vascular plant families in the Sandia/Manzano flora, *continued*]

Family	Genera	Native Species	Exotic Species	Total Species	Additional Intraspecific Taxa	Total Taxa
Linaceae	1	3	0	3	0	3
Loasaceae	1	3	0	3	0	3
Oxalidaceae	1	3	0	3	0	3
Plantaginaceae	1	1	2	3	0	3
Saxifragaceae	2	3	0	3	0	3
Violaceae	2	3	0	3	0	3
Agavaceae	1	2	0	2	0	2
Apocynaceae	1	2	0	2	0	2
Araliaceae	2	1	1	2	0	2
Campanulaceae	2	2	0	2	0	2
Capparaceae	2	2	0	2	0	2
Caprifoliaceae	2	2	0	2	0	2
Cucurbitaceae	2	2	0	2	0	2
Cuscutaceae	1	2	0	2	0	2
Ephedraceae	1	2	0	2	0	2
Oleaceae	2	2	0	2	0	2
Papaveraceae	2	1	1	2	0	2
Rutaceae	1	1	0	1	1	2
Selaginellaceae	1	2	0	2	0	2
Tamaricaceae	1	0	2	2	0	2
Ulmaceae	2	1	1	2	0	2
Valerianaceae	1	2	0	2	0	2
Vitaceae	2	2	0	2	0	2
Zygophyllaceae	2	1	1	2	0	2
Alismataceae	1	1	0	1	0	1
Aspleniaceae	1	1	0	1	0	1
Bignoniaceae	1	1	0	1	0	1
Cannabaceae	1	1	0	1	0	1
Celastraceae	1	1	0	1	0	1
Clusiaceae	1	1	0	1	0	1
Commelinaceae	1	1	0	1	0	1
Cornaceae	1	1	0	1	0	1
Dennstaedtiaceae	1	1	0	1	0	1
Elaeagnaceae	1	0	1	1	0	1
Fumariaceae	1	1	0	1	0	1
Garryaceae	1	1	0	1	0	1
Krameriaceae	1	1	0	1	0	1
Lycopodiaceae	1	1	0	1	0	1
Lythraceae	1	0	1	1	0	1
Molluginaceae	1	0	1	1	0	1
Nolinaceae	1	1	0	1	0	1
Pedaliaceae	1	1	0	1	0	1
Polygalaceae	1	1	0	1	0	1
Polypodiaceae	1	1	0	1	0	1
Rhamnaceae	1	1	0	1	0	1
Santalaceae	1	1	0	1	0	1
Simaroubaceae	1	0	1	1	0	1
Sparganiaceae	1	1	0	1	0	1
Typhaceae	1	1	0	1	0	1
Totals	454	798	108	906	31	937

THE CHECKLIST

Botanical names are arranged in alphabetical order of families, genera and species in the sequence of Ferns and Fern Allies, Gymnosperms, Angiosperms: Dicotyledons, and Angiosperms: Monocotyledons. Binomial and trinomial nomenclature generally follows that of Allred (2005a), with a few exceptions. This checklist is based upon actual specimen vouchers. Accepted taxa are in bold italics and are Sandia/Manzano mountain specimens that have been verified at a New Mexico herbarium, or cited in scientific literature by a botanical researcher who has seen a herbarium specimen. The form of most accepted records in this checklist is illustrated with the following example.

Pulsatilla patens (L.) P. Miller subsp. *multifida* (Pritzel) Zamelis [*Bedker 1638b* UNM; Manzano, Tajiue Canyon, 7100'] AMERICAN PASQUEFLOWER. Ponderosa pine and mixed conifer forests. W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. (*Anemone patens* var. *multifida*)

The botanical name is followed by brackets containing the citation of a single representative specimen that identifies the collector, collection number, herbarium acronym (Holmgren and Holmgren 1998), mountain range segment (Sandia, Manzanita, or Manzano), and general location. This specimen citation is included for the purpose of future identity verification and does not indicate the entire distribution of the plant throughout this range of mountains. A vernacular name appears in small capitals. I have not used a single source for common names, but they will generally follow Allred (2005a). A brief habitat description is followed by citation of any references that place the plant in the Sandia/Manzano range of mountains. Citations of Wootton and Standley (1915) and Martin and Hutchins (1975) are frequent and have been abbreviated to W&S 1915 and M&H 1975, respectively. Synonyms in use since the publication of the Sandia Flora (Martin and Hutchins 1975) appear in parentheses at the end of the record.

Taxa in smaller type (and offset with the symbols « ») are published records for which no specimen evidence is available or apparent; their presentation is illustrated by the following example.

« *Cystopteris fragilis* (L.) Bernh. » BRITTLE BLADDERFERN; reported by Dittmer et al. (1954) and M&H (1975), but may be based upon misidentified specimens of *C. reevesiana*. Needs specimen verification.

Many of these unacceptable records are of doubtful accuracy. However, some unvouchered records, such as those illustrated or photographed by Ivey (2003) or Jercinovic (2003), are likely to be in the flora, but are not accepted for this checklist until they can be confirmed by specimen collections.

Introduced plants not native to western or central North America are marked with an asterisk (*).

Plant systematists have entered an exciting period of researching species relationships with the resolving powers of DNA and cladistic analyses. As new information accrues, some changes in nomenclature are inevitable. Although name changes may be inconvenient, we should remember that the purpose of plant taxonomy is not only to identify species, but also to trace their phylogeny through a taxonomic hierarchy that attempts to circumscribe natural groups of related species. Many traditional plant families, such as the Liliaceae and Scrophulariaceae, are under scrutiny and will likely be split into multiple families, or will be combined, like the Asclepiadaceae into the Apocynaceae for example. Recent changes in plant family nomenclature are not yet used in the regional floristic literature or local herbaria, so I have retained most of the traditional family names in this checklist for ease of use. Where different familial assignments have been made by the Angiosperm Phylogeny Group (2003), I have indicated the proposed new family name in bold type preceded by APG-2003.

CHECKLIST OF VASCULAR PLANTS FOR THE SANDIA AND MANZANO MOUNTAINS

FERNS AND FERN ALLIES

ASPLENIACEAE Spleenwort Family

Asplenium trichomanes L. [Jercinovic 259 UNM; Manzano, Trigo Canyon, 6950'] MAIDENHAIR SPLEENWORT.
Cliff faces and rocky slopes in piñon-juniper woodland or ponderosa pine forest.

DENNSTAEDTIACEAE Bracken Family

Pteridium aquilinum (L.) Kuhn var. *pubescens* Underwood [Bedker 1291 UNM; Manzano, Red Canyon]
BRACKEN FERN. Mixed conifer and subalpine forests. Dittmer et al. 1954, Bedker 1966, M&H 1975.

DRYOPTERIDACEAE Wood Fern Family

« *Cystopteris fragilis* (L.) Bernh. » BRITTLE BLADDERFERN; reported by Dittmer et al. (1954) and M&H (1975), but may be based upon misidentified specimens of *C. reevesiana*. Needs specimen verification.

Cystopteris reevesiana Lellinger [Castetter 3271 UNM; Sandia Crest] REEVE'S BLADDER-FERN. Mixed conifer forest.

Woodsia neomexicana Windham [Clark s.n. UNM; Sandia, W-slope cliffs, mixed sheet with *W. plummerae*]
NEW MEXICO CLIFF-FERN. Mixed conifer and subalpine forests.
(*Woodsia mexicana* of Dittmer et al. 1954 and M&H 1975)

Woodsia oregana D.C. Eaton subsp. *cathcartiana* (B.L. Robins.) Windham [Castetter and Dittmer s.n. UNM; Sandia, Inspiration Point, limestone] OREGON CLIFF-FERN. Mixed conifer and subalpine forests.

Woodsia plummerae Lemmon [Clark s.n. UNM; Sandia, W-slope cliffs, mixed sheet with *W. neomexicana*]
PLUMMER'S CLIFF-FERN. Mixed conifer and subalpine forests.

EQUISETACEAE Horsetail Family

Equisetum arvense L. [Jercinovic 315 UNM; Manzano, Tajiique Creek, 6970'] FIELD HORSETAIL.
Riparian habitats. M&H 1975.

Equisetum hyemale L. var. *affine* (Engelm.) Calder [Tatschl s.n. UNM; Sandia, Las Huertas] SCOURING RUSH.
Riparian habitats. Bedker 1966.

Equisetum laevigatum A. Braun [Sivinski & Hartman 5420 UNM; Sandia, Sulfur Canyon] SMOOTH HORSETAIL.
Riparian habitats.

LYCOPODIACEAE Clubmoss Family

Lycopodium clavatum L. [Jones 12-2 UNM; Sandia Crest] RUNNING GROUND-PINE. Subalpine forest. Represented in the Sandia and New Mexico flora by this single anomalous collection. Not otherwise known to occur in the southwestern North America (Wagner and Beitel 1993). Attempts to relocate this population were not successful.

POLYPODIACEAE Polypody Family

Polypodium hesperum Maxon [Manthey 1332 UNM; Manzano, Trigo Canyon] WESTERN POLYPODY.
Shaded slopes in ponderosa pine and mixed conifer forests. Dittmer et al. 1954, M&H 1975.

PTERIDACEAE Maidenhair Fern Family

Adiantum capillus-veneris L. SOUTHERN MAIDENHAIR. Dittmer et al. 1954, M&H 1975. Tentatively accepted.
Dittmer et al. (1954) specimen apparent, but not located.

Argyrochosma fendleri (Kunze) Windham [Sivinski 4695 UNM; Manzano, Cañon Trigo, 2000 m]
FENDLER'S CLOAKFERN. Cliff faces and rocky slopes in piñon-juniper woodland and ponderosa pine forest.
Dittmer et al. 1954, M&H 1975. (*Pellaea fendleri*)

Argyrochosma limitanea (Maxon) Windham; SOUTHWESTERN FALSE-CLOAKFERN. Dittmer et al. 1954, M&H 1975.
Tentatively accepted. Dittmer et al. (1954) specimen apparent, but not located.

All UNM specimens of this species are from the southwestern part of the state. (*Pellaea limitanea*)

« *Argyrochosma microphylla* (Mett. ex Kuhn) Windham » LITTLE-LEAF CLIFFBRAKE; reported by M&H (1975)
as *Pellaea microphylla* – needs specimen verification.

- Cheilanthes eatonii* Baker [*Castetter 3210*, Sandia, Juan Tabo] EATON'S LIPFERN.
Cliff faces and rocky slopes from foothill scrub to ponderosa pine forest.
Dittmer et al. 1954, M&H 1975.
- Cheilanthes feei* T. Moore [*Castetter and Dittmer s.n.* UNM; Sandia, Carlito Spring, rockwall] SANTA FE LIPFERN.
Cliff faces and rocky slopes from foothill scrub to ponderosa pine forest.
Dittmer et al. 1954, M&H 1975.
- Cheilanthes fendleri* Hook. [*Wagner and Sabo 2805*; Sandia, W-slope, granite] FENDLER'S LIPFERN.
Cliff faces and rocky slopes from foothill scrub to ponderosa pine forest.
Dittmer et al. 1954, M&H 1975.
- Notholaena standleyi* Maxon [*Mackay s.n.* UNM; Sandia, west foothill] STANDLEY'S CLOAKFERN.
Rocky slopes in foothill scrub and piñon-juniper woodland. M&H 1975.
- Pellaea atropurpurea* (L.) Link [*Sivinski 4934* UNM; Manzano, Capilla Peak, 2750 m] PURPLE CLIFFBRAKE.
Limestone cliffs and ledges in piñon-juniper woodland up to mixed conifer forest.
- Pellaea truncata* Gooding [*Hutchins 2831* UNM; Sandia, W-slope granite] SPINY CLIFFBRAKE.
Cliff faces and rocky slopes from foothill scrub to ponderosa pine forest. Dittmer et al. 1954, M&H 1975.
- Pellaea wrightiana* Hook. Wright's cliffbrake. Dittmer et al. 1954, M&H 1975. Tentatively accepted.
Dittmer et al. (1954) specimen apparent, but not located.

SELAGINELLACEAE Spikemoss Family

- Selaginella densa* Rydb. [*Bro. Arsene 16370* UNM; Sandia Mts.] DENSE SPIKEMOSS.
Rocky ledges from piñon-juniper woodland to mixed conifer forest. Dittmer et al. 1954, Bedker 1966.
- Selaginella underwoodii* Hieron [*Castetter 2861* UNM; Sandia, Inspiration Point] UNDERWOOD'S SPIKEMOSS.
Rocky ledges in ponderosa pine and mixed conifer forests. Dittmer et al. 1954.

GYMNOSPERMS

CUPRESSACEAE Cypress Family

- Juniperus communis* L. var. *depressa* Pursh; DWARF JUNIPER. W&S 1915, M&H 1975. W&S (1915) specimen apparent, but not located. I have seen this species in an aspen glade on Sandia Crest.
- Juniperus deppeana* Steud. [*Bedker 1018* UNM; Manzano, De la Vereda Canyon] ALLIGATOR JUNIPER.
Piñon-juniper woodland and ponderosa pine forest. Bedker 1966, M&H 1975.
- Juniperus monosperma* (Engelm.) Sarg. [*Naylor 101* UNM; Sandia, near Placitas] ONE-SEED JUNIPER.
Piñon-juniper woodland and foothill scrub. Bedker 1966, M&H 1975.
- Juniperus scopulorum* Sarg. [*Megard s.n.* UNM; Sandia] ROCKY MOUNTAIN JUNIPER.
Piñon-juniper woodland and ponderosa pine forest. Bedker 1966, M&H 1975.

EPHEDRACEAE Jointfir Family

- « *Ephedra aspera* Engelm. ex S. Wats. » ROUGH EPHEDRA; reported by M&H (1975) as *E. nevadensis* var. *aspera* – needs specimen verification.
- Ephedra torreyana* S. Wats. [*Fletcher 8054* UNM; Sandia] TORREY EPHEDRA.
Foothill scrub and piñon-juniper woodland. M&H 1975.
- Ephedra viridis* Cov. [*Sivinski 5193* UNM; Sandia, near Placitas, 1900 m] GREEN EPHEDRA.
Piñon-juniper woodland in northern Sandia Mts. M&H 1975.

PINACEAE Pine Family

- Abies bifolia* A. Murray var. *arizonica* (Merriam) O'Kane & Heil [*Talley 205* UNM; Sandia Crest] CORK-BARK FIR.
Subalpine forest. W&S 1915, M&H 1975. (*Abies lasiocarpa* var. *arizonica*)
- Abies concolor* (Gord. & Glend.) Lindl. ex Hildebr. [*Bradshaw 8775* UNM; Sandia Crest] WHITE FIR.
Ponderosa pine and mixed conifer forests. W&S 1915, Bedker 1966, M&H 1975.
- Picea engelmannii* Parry ex Engelm. [*Gibson 99* UNM; Sandia Crest] ENGELMANN'S SPRUCE.
Subalpine forest. W&S 1915, M&H 1975.
- Picea pungens* Engelm. BLUE SPRUCE. W&S 1915, M&H 1975. Tentatively accepted.
W&S (1915) specimen apparent, but not located. A few saplings of this species have been planted along roads in the Sandia Mountains, but attempts to relocate a natural population were unsuccessful.
- Pinus edulis* Engelm. [*Bedker 1362* UNM; Manzano, Mosca Peak] PIÑON PINE.
Piñon-juniper woodland. Bedker 1966, M&H 1975.

- Pinus flexilis* James [*Sivinski* & *Ford* 4670 UNM; Sandia Crest] LIMBER PINE.
Mixed conifer and subalpine forests. W&S 1915, Bedker 1966, M&H 1975.
- Pinus ponderosa* P. & C. Lawson var. *scopulorum* Engelm. [*Bedker* 568 UNM; Manzano] PONDEROSA PINE.
Ponderosa pine and mixed conifer forests. Bedker 1966, M&H 1975.
- Pinus strobiformis* Engelm. [*Allred* 6280 NMCR; Manzano, New Canyon Campground, 7500']
SOUTHWESTERN WHITE PINE. Mixed conifer forest in Manzano Mountains. M&H 1975.
- Pseudotsuga menziesii* (Mirb.) Franco var. *glauca* (Beissner) Franco [*Boyle* 361 UNM; Sandia] DOUGLAS FIR.
Ponderosa pine and mixed conifer forests. Bedker 1966, M&H 1975.

ANGIOSPERMS: DICOTYLEDONS

ACERACEAE Maple Family APG-2003 Sapindaceae

- Acer glabrum* Torr. var. *glabrum* [*Bedker* 1125 UNM; Manzano, Kayser Mill Canyon, 8900']
ROCKY MOUNTAIN MAPLE. Mixed conifer and subalpine forests. Bedker 1966, Ivey 2003.
- Acer glabrum* var. *neomexicanum* (Greene) Kearney & Peebles [*Bedker* 619 UNM; Manzano, Kayser Mill Canyon, 8400']
ROCKY MOUNTAIN MAPLE. Ponderosa pine and mixed conifer forests. W&S 1915, Bedker 1966, M&H 1975.
- Acer grandidentatum* Nutt. [*Bedker* 987 UNM; Manzano, De la Vereda Canyon, 7700']
CANYON MAPLE. Mixed conifer forest. Bedker 1966, Ivey 2003.
- Acer negundo* L. var. *interius* (Britt.) Sarg. [*Tafuya* 4 UNM; Sandia, Cienega Canyon] BOXELDER.
Canyon bottoms. M&H 1975, Ivey 2003.

AMARANTHACEAE Amaranth Family

- Amaranthus albus* L. [*JCN* & *CLW* s.n. UNM; Sandia, Juan Tabo Canyon] TUMBLEWEED PIGWEED.
Areas of disturbed ground from foothill scrub up to ponderosa pine forest. M&H 1975.
- Amaranthus bigelovii* Uline & Bray [*Sivinski* & *Jercinovic* 5659 UNM; Manzano, Priest Canyon]
BIGELOW'S AMARANTH. Arroyos and low places that concentrate summer rain in foothill scrub and piñon-juniper woodland.
- **Amaranthus hybridus* L. [*Sivinski* 5090 UNM; Sandia, Juan Tabo picnic Area, 6900'] SMOOTH AMARANTH.
Arroyos and disturbed roadsides in foothill scrub and piñon-juniper woodland.
Bedker 1966, M&H 1975, Jercinovic 2003.
- «*Amaranthus palmeri* S. Wats. » PALMER'S AMARANTH; reported by M&H (1975) – needs specimen verification.
- Amaranthus powellii* S. Wats. [*Sivinski* 5185 UNM; Sandia, Cañon de las Huertas] GREEN AMARANTH.
Steep slopes and disturbed soils from foothill scrub to ponderosa pine forest. M&H 1975.
- **Amaranthus retroflexus* L. [*Sivinski* & *Jercinovic* 5652 UNM; Manzano, Priest Canyon] RED-ROOT PIGWEED.
Roadsides and disturbed soils in foothill scrub and piñon-juniper woodland. M&H 1975.
- Amaranthus wrightii* S. Wats. [*Sivinski* 5174 UNM; Sandia, Cañon Embudito] WRIGHT'S AMARANTH.
Arroyos and disturbed soils in foothill scrub. Bedker 1966.
- Tidestromia lanuginosa* (Nutt.) Standl. [*Carter* s.n. UNM; Sandia, Cañon Embudito] WOOLY HONEYSWEET.
Coarse soils in foothill scrub. M&H 1975.

ANACARDIACEAE Sumac Family

- Rhus glabra* L. [*Clark* s.n. UNM; Sandia, Las Huertas Canyon] SMOOTH SUMAC.
Canyon bottoms in piñon-juniper woodland up to mixed conifer forest.
Bedker 1966, M&H 1975, Ivey 2003.
- Rhus trilobata* Nutt. [*Bedker* 1513 UNM; Manzano] THREE-LEAF SUMAC.
Foothill scrub to ponderosa pine forest. Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Toxicodendron rydbergii* (Small ex Rydb.) Greene [*Allred* 6429 NMCR; Sandia, NE-side] POISON IVY.
Canyon bottoms in ponderosa pine and mixed conifer forests. M&H 1975, Jercinovic 2003. (*Rhus radicans*)

APIACEAE Parsley Family

- Aletes acaulis* (Torr.) Coult. & Rose [*Sivinski* 3171 UNM; Sandia Crest] INDIAN-PARSLEY.
Rocky outcrops in subalpine forest. W&S 1915, M&H 1975, Ivey 2003, Jercinovic 2003.
- Aletes filifolius* Math., Const. & Theobald [*Sivinski* 4927 UNM; Manzano, Cañon Nuevo, 2650 m]
TRANS-PECOS INDIAN-PARSLEY. Piñon-juniper woodland and ponderosa pine forest in southern Manzano Mountains. Jercinovic 2003.
- Berula erecta* (Huds.) Cov. [*Sivinski* 5238 UNM; Sandia, Tunnel Spring near Placitas] WATER-PARSNIP.
Wet soils at springs and streamsides. Jercinovic 2003.

- « *Cicuta maculata* L. » SPOTTED WATER HEMLOCK; reported by M&H (1975) as *Cicuta douglasii* – needs specimen verification.
Conioselinum scopulorum (Gray) Coult. & Rose [TYPE: *Bigelow s.n.* GH; Sandia, San Antonito]
 ROCKY MOUNTAIN HEMLOCK-PARSLEY. Wet soils at springs and streamsides in piñon-juniper woodland and ponderosa pine forest.
- **Conium maculatum* L. [*Tafoya 73* UNM; Sandia, Cienega Canyon] POISON HEMLOCK.
 Wet cienegas and streamsides. M&H 1975.
- Cymopterus acaulis* (Pursh) Raf. var. *fendleri* (A. Gray) Goodrich [*Hutchins 2824* UNM; Sandia, W-slope, 7000']
 PLAINS SPRING-PARSLEY. Foothill scrub and piñon-juniper woodland. W&S 1915, M&H 1975, Jercinovic 2003. (*Cymopterus fendleri*)
- Cymopterus constancei* Hartman [*Wagner & Sabo 2803* UNM; Sandia, Bear Canyon] LINCOLN'S SPRING-PARSLEY.
 Foothill scrub and piñon-juniper woodland. Jercinovic 2003.
 This is the *Cymopterus bulbosus* A. Nels. of M&H (1975).
- « *Cymopterus newberryi* (S. Wats.) M.E. Jones » NEWBERRY'S SPRING-PARSLEY; reported by M&H (1975) – needs specimen verification.
- « *Cymopterus purpureus* S. Wats. » PURPLE SPRING-PARSLEY; reported by M&H (1975) – needs specimen verification.
- **Foeniculum vulgare* Miller [*Jercinovic 296* UNM; Manzano, village of Manzano] FENNEL.
 Uncommon garden escape into areas of disturbed ground. Jercinovic 2003.
- Ligusticum porteri* Coult. & Rose [*Sivinski 3161* UNM; Sandia Crest] OSHA.
 Mixed conifer and subalpine forests. W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.
- Osmorhiza depauperata* Phil. [*Tafoya s.n.* UNM; Sandia, Cienega Canyon] LESSER SWEET-CICELY.
 Mixed conifer and subalpine forests. M&H 1975, Ivey 2003, Jercinovic 2003.
- Pseudocymopterus montanus* (A. Gray) Coulter & Rose [*Sivinski 3179* UNM; Sandia Crest] MOUNTAIN-PARSLEY.
 Ponderosa pine forest up to subalpine forest. Bedker 1966, M&H 1975, Jercinovic 2003.
 (*Cymopterus lemmonii*)

APOCYNACEAE Dogbane Family

- Apocynum androsaemifolium* L. var. *androsaemifolium* [*Sivinski et al. 3339* UNM; Sandia, Tree Springs Trail]
 SPREADING DOGBANE. Ponderosa pine and mixed conifer forests. W&S 1915, M&H 1975.
- « *Apocynum androsaemifolium* var. *glabrum* Macoun » SPREADING DOGBANE; reported by M&H (1975) – needs specimen verification.
- Apocynum cannabinum* L. [*Sivinski 4947* UNM; Manzanita, Sabino Canyon, 2200 m] INDIAN-HEMP.
 Canyon bottoms in piñon-juniper woodland. M&H 1975, Jercinovic 2003.
 (*Apocynum sibericum* var. *salignum*)

ARALIACEAE Aralia Family

- Aralia racemosa* L. subsp. *bicrenata* (Woot. & Standl.) Welsh & Atwood [*Fletcher 2536* UNM; Sandia, W-side]
 AMERICAN SPIKENARD. Rocky slopes and canyons in ponderosa pine and mixed conifer forests. Bedker 1966.
- **Hedera helix* L. [*Sivinski 5713* UNM; Sandia, Tunnel Spring] ENGLISH IVY. Apparently introduced at Tunnel Spring in the Sandia Mountains where it is spreading through the riparian woodland.

ASCLEPIADACEAE Milkweed Family APG-2003 Apocynaceae

- Asclepias asperula* (Dcne.) Woodson [*Clark s.n.* UNM; Manzano Mts.] ANTELOPE –HORNS.
 Foothill scrub up to ponderosa pine forest. M&H 1975, Jercinovic 2003.
- Asclepias latifolia* (Torr.) Raf. [*Jones 243-1* UNM; Sandia, Juan Tabo Canyon] BROAD-LEAF MILKWEED.
 Arroyos and disturbed roadsides in foothill scrub and piñon-juniper woodland.
 M&H 1975, Ivey 2003, Jercinovic 2003.
- Asclepias macrotis* Torr. LONG-HOOD MILKWEED. W&S 1915. Tentatively accepted. W&S (1915) specimen apparent, but not located.
- Asclepias oenotheroides* Chamisso & Schlectendal [*Sivinski & Jercinovic 5670* UNM; Manzano, Priest Canyon]
 ZIZOTES MILKWEED. Foothill scrub and piñon-juniper woodland.
- Asclepias speciosa* Torr. [*Castetter 7318* UNM; Sandia] SHOWY MILKWEED.
 Wet cienegas and canyon bottoms from foothill scrub to ponderosa pine forest.
 M&H 1975, Jercinovic 2003.
- Asclepias subverticillata* (A. Gray) Vail [*Dunbar 195* UNM; Sandia, Tijeras Canyon] HORSETAIL MILKWEED.
 Valleys and disturbed roadsides from foothill scrub to ponderosa pine forest.
 Bedker 1966, M&H 1975, Jercinovic 2003.

Asclepias tuberosa L. subsp. *interior* Woodson [*Sivinski 4923 UNM*; Manzano, Cañon Nuevo, 2450 m] BUTTERFLY MILKWEED. Canyon bottoms in piñon-juniper woodland and ponderosa pine forest. W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.

Asclepias viridiflora Raf. [*Jercinovic 448 UNM*; Manzano, Apache Canyon, 7000'] GREEN COMET. Foothill scrub and piñon-juniper woodland. M&H 1975.

Matelea producta (Torr.) Woodson [*Sivinski 5069 UNM*; Sandia, Cañon de la Cueva] TEXAS MILKVINE. Canyon bottoms in foothill scrub and piñon-juniper woodland.

ASTERACEAE Aster Family

Achillea millefolium L. [*Bronson s.n. UNM*; Sandia, Tree Spring] WESTERN YARROW. Ponderosa pine forest up to subalpine forest. W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. (*Achillea lanulosa*)

Acourtia nana (A. Gray) Reveal & King [*Castetter 8959 UNM*; Manzanita, Tijeras Canyon, 6500'] DESERT HOLLY. Foothill scrub. M&H 1975. (*Perezia nana*)

* « *Acroptilon repens* (L.) DC. » RUSSIAN KNAPWEED; reported by Jercinovic (2003) – needs specimen verification.

Ageratina herbacea (A. Gray) R.M. King & H.E. Robinson [*Jercinovic 138 UNM*; Manzano, Capilla Peak, 8,500'] FRAGRANT SNAKEROOT. Mixed conifer forest. Jercinovic 2003. (*Eupatorium herbaceum*)

Agoseris aurantiaca (Hook.) Greene [*Sivinski 3187 UNM*; Sandia Crest] ORANGE-FLOWERED GOAT-CHICORY. Mixed conifer and subalpine forests. M&H 1975.

Agoseris glauca (Pursh) Raf. [*Jercinovic 230 UNM*; Manzano, Crest Trail, 9680'] PALE GOAT-CHICORY. Openings in mixed conifer and subalpine forests. W&S 1915, M&H 1975, Jercinovic 2003.

« *Almutaster pauciflorus* (Nutt.) Löve & Löve » MARSH ASTER; reported by M&H (1975) as *Aster pauciflorus* – needs specimen verification.

Amauriopsis dissecta (A. Gray) Rydb. [*Jones 333-22 UNM*; Sandia, Tree Springs Trail] RAGGED-LEAF BAHIA. Piñon-juniper woodland and ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003. (*Bahia dissecta*)

Ambrosia acanthicarpa Hook. [*Sivinski 5181 UNM*; Sandia, near Placitas, disturbed road side] BUR RAGWEED. Arroyos and disturbed soils in foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003. (*Franseria acanthicarpa*)

« *Ambrosia artemisiifolia* L. » ANNUAL RAGWEED; reported by M&H (1975) and Jercinovic (2003) – needs specimen verification

Ambrosia confertiflora DC. [*Sivinski & Jercinovic 5648 UNM*; Manzano, Priest Canyon] WEAK-LEAF RAGWEED. Arroyos and disturbed soils in piñon-juniper woodland. (*Franseria confertiflora*)

Ambrosia monogyra (Torr. & Gray ex A. Gray) Strother & Baldwin [*Sivinski 5784 UNM*; Sandia, La Cueva Arroyo] CHEESEBUSH. Sandy arroyo bottoms in foothill scrub. (*Hymenoclea monogyra*)

Ambrosia psilostachya DC. [*O'Neill s.n. UNM*; Sandia, Tree Spring] PERENNIAL RAGWEED. Valleys and disturbed soils in piñon-juniper woodland and ponderosa pine forest. M&H 1975, Jercinovic 2003.

Ambrosia tomentosa Nutt. [*Jercinovic 117 UNM*; Manzano, Tajiue Creek] SKELETON-LEAF BURSAGE. Arroyos and disturbed soils in piñon-juniper woodland and ponderosa pine forest. (*Franseria tomentosa*)

Anaphalis margaritacea (L.) Benth. & Hook. [*Castetter 7662 UNM*; Sandia foothills] PEARLY EVERLASTING. Piñon-juniper woodland up to mixed conifer forest. M&H 1975, Jercinovic 2003.

Antennaria marginata Greene [*Bedker 610 UNM*; Manzano, Kayser Mill Canyon] WHITE-MARGIN PUSSYTOES. Ponderosa pine forest up to subalpine forest. Jercinovic 2003.

Antennaria parvifolia Nutt. [*Castetter 7674 UNM*; Sandia, Inspiration Point] LITTLE-LEAF PUSSYTOES. Mixed conifer and subalpine forests. Bedker 1966, M&H 1975, Jercinovic 2003.

« *Antennaria rosea* Greene » ROSY PUSSYTOES; reported by M&H (1975) – needs specimen verification.

* *Anthemis cotula* L. STINKING CHAMOMILE. W&S 1915, M&H 1975. Tentatively accepted. W&S (1915) specimen apparent, but not located.

Aphanostephus ramosissimus DC. var. *humilis* (Benth.) B.L. Turner & Birdsong [*Jackson 2059 UNM*; mesa E of Albuquerque, 6000'] LOW FAINTCROWN. Foothill scrub. M&H 1975.

Artemisia bigelovii A. Gray [*Sivinski 5184 UNM*; Sandia, near Placitas] FLAT SAGEBRUSH. Gypseous or coarse soils in piñon-juniper woodland. M&H 1975.

Artemisia campestris L. subsp. *caudata* (Michx.) Hall & Clements [*Sivinski 5021 UNM*; Sandia, South Crest Trail, 2500 m] FILED WORMWOOD. Coarse soils in piñon-juniper woodland and ponderosa pine forest.

Artemisia carruthii Wood ex Carruth [*Gordon & Norris 49 UNM*; Sandia Mts.] CARRUTH'S SAGEBRUSH. Piñon-juniper woodland and ponderosa pine forest. M&H 1975, Jercinovic 2003.

- Artemisia dracunculus* L. [Jennings s.n. UNM; Manzanita, Cedro Canyon] TARRAGON.
Disturbed soils from foothill scrub up to ponderosa pine forest. M&H 1975, Ivey 2003, Jercinovic 2003.
- Artemisia filifolia* Torr. [Sivinski 5067 UNM; Sandia, Cañon La Cueva] SAND SAGE.
Sandy arroyos in foothill scrub and piñon-juniper woodland. M&H 1975.
- Artemisia franserioides* Greene [Sivinski 3167 UNM; Sandia Crest] RAGWEED SAGEBRUSH.
Mixed conifer and subalpine forests. M&H 1975, Ivey 2003, Jercinovic 2003.
- Artemisia frigida* Willd. [Castetter 7825 UNM; Manzano Mts.] FRINGED SAGE.
Piñon-juniper woodland and ponderosa pine forest.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Artemisia ludoviciana* Nutt. subsp. *albula* (Woot.) Keck [Wagner 505 UNM; Manzanita, Sol Se Mete Canyon]
NEW MEXICO WORMWOOD. Foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975.
- Artemisia ludoviciana* subsp. *ludoviciana* [Bedker 1012 UNM; Manzano, Nuevo Canyon] LOUISIANA WORMWOOD.
Piñon-juniper woodland up to mixed conifer forest. Bedker 1966, M&H 1975, Jercinovic 2003.
- Artemisia ludoviciana* subsp. *mexicana* (Willd. ex Spreng.) Keck [Bedker 932 UNM; Manzano, Capilla Peak]
MEXICAN WORMWOOD. Piñon-juniper woodland up to mixed conifer forest. M&H 1975.
« *Artemisia ludoviciana* subsp. *redolens* (A. Gray) Keck » WHITE SAGEBRUSH; reported by M&H (1975) – needs specimen verification.
- Baccharis bigelovii* A. Gray [Sivinski & Lowrey 5691 UNM; Manzano, near Pine Shadow Spring]
BIGELOW'S SEEP-WILLOW. Dry, rocky soil in piñon-juniper woodland and ponderosa pine forest at southern end of Manzano Mountains.
- Baccharis salicina* Torr. & Gray [Sivinski 4787 UNM; Sandia, north foothill near Placitas, spring seep]
GREAT PLAINS SEEP WILLOW. Wet soils in foothill scrub or piñon-juniper woodland.
- Baccharis wrightii* A. Gray [Jercinovic 312 UNM; Manzano, Priest Canyon] WRIGHT'S SEEP WILLOW.
Foothill scrub. M&H 1975.
- Baileya multiradiata* Harv. & Gray [Jones 333-9 UNM; Sandia, La Cueva Canyon, 7000'] DESERT MARIGOLD.
Sandy arroyos and disturbed roadsides in foothill scrub and piñon-juniper woodland.
Bedker 1966, M&H 1975.
- Berlandiera lyrata* Benth. [Jackson 2164 UNM; Manzano, 4th of July Canyon] LYRE-LEAF GREENEYES.
Foothill scrub up to ponderosa pine forest. M&H 1975, Ivey 2003, Jercinovic 2003.
« *Bidens bipinnata* L. » SPANISH NEEDLES; reported by M&H (1975) – needs specimen verification.
- Bidens frondosa* L. [Sivinski & Lowrey 5620 UNM; Manzano, Pine Shadow Spring, 2200m] DEVIL'S PITCHFORK.
Wet soils at spring seeps and stream sides in piñon-juniper woodland up to mixed conifer forest.
M&H 1975.
« *Bidens laevis* (L.) B.S.P. » SMOOTH BEGGARTICKS; reported by M&H (1975) – needs specimen verification.
- Bidens leptcephala* Sherff [Bedker 669 UNM; Manzano, Comanche Canyon] SLIM BEGGARTICKS.
Piñon-juniper woodland. Bedker 1966.
- Bidens tenuisecta* A. Gray [Sivinski 5064 UNM; Sandia, Tejano Canyon] SLIM-LOBE BEGGARTICKS.
Piñon-juniper woodland up to mixed conifer forest. W&S 1915, M&H 1975.
- Brickellia brachyphylla* A. Gray [Ellis 385 MO, Sandia Mts.] PLUMED BRICKELLBUSH.
Piñon-juniper woodland and ponderosa pine forest.
W&S 1915, Robinson 1917, M&H 1975, Jercinovic 2003.
- Brickellia californica* (Torr. & Gray) A. Gray [Ellis 325 MO, Sandia Mts.] CALIFORNIA BRICKELLBUSH.
Foothill scrub up to ponderosa pine forest. Robinson 1917, M&H 1975, Ivey 2003.
- Brickellia eupatorioides* (L.) Shinnars var. *chlorolepis* (Woot. & Standl.) B.L. Turner [Fletcher 5696 UNM; Manzanita, Four Hills area] FALSE BONESET. Foothill scrub up to ponderosa pine forest.
M&H 1975, Ivey 2003, Jercinovic 2003. (*Kubnia chlorolepis*)
- Brickellia floribunda* A. Gray [Sivinski & Jercinovic 5633 UNM; Manzano, Priest Canyon]
CHIHUAHUAN BRICKELLBUSH. Foothill scrub and piñon-juniper woodland.
- Brickellia grandiflora* (Hook.) Nutt. [Ellis 226 MO, Sandia Mts.] TASSEL-FLOWER BRICKELLBUSH.
Piñon-juniper woodland up to mixed conifer forest.
Robinson 1917, Bedker 1966, Ivey 2003, Jercinovic 2003.
- Brickellia rusbyi* A. Gray [Sivinski & Lowrey 5623 UNM; Manzano, near Pine Shadow Spring]
RUSBY'S BRICKELLBUSH. Piñon-juniper woodland and ponderosa pine forest.
- Brickelliastrum fendleri* (A. Gray) R.M. King & H. Robinson [Bedker 669 UNM; Manzano, Kayser Mill Canyon, 9200'] FENDLER'S BRICKELLBUSH. Piñon-juniper woodland and ponderosa pine forest.
W&S 1915, Bedker 1966. (*Brickellia fendleri*)

- Chaetopappa ericoides* (Torr.) Nesom [*Sivinski & Jercinovic 5632 UNM*; Manzano, near Pine Shadow Spring] BABY ASTER. Foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003. (*Aster hirtifolius*, *Leucelene ericoides*)
- Chrysothamnus depressus* Nutt. [*Tierney 9 UNM*; Sandia, Ojo de San Antonio Valley] LONG-FLOWERED RABBITBRUSH. Piñon-juniper woodland. W&S 1915, M&H 1975, Ivey 2003. (*Ericameria depressa*)
- « *Chrysothamnus viscidiflorus* (Hook.) Nutt. » YELLOW RABBITBRUSH; reported by Bedker (1966) and M&H (1975) – needs specimen verification.
- * « *Cichorium intybus* L. » CHICORY; reported by M&H (1975), Ivey (2003) and Jercinovic (2003) – needs specimen verification.
- Cirsium arizonicum* (A. Gray) Petrak var. *bipinnatum* (Eastw.) D.J. Keil [*Sivinski 4942 UNM*; Manzano, Capilla Peak lookout] CANVILLE THISTLE. Limestone in mixed conifer forest. This Capilla Peak thistle has recently been studied by Barlow-Irick (2002). She believes this population belongs to an unnamed species that also occurs in the Ladron and Sacramento mountains of south-central NM (Barlow-Irick pers. comm.). (*Cirsium calcareum*)
- Cirsium neomexicanum* A. Gray [*Sivinski 4814 UNM*; Sandia, Cañon de la Cueva, 2050 m] NEW MEXICO THISTLE. Foothill scrub up to ponderosa pine forest. M&H 1975, Ivey 2003, Jercinovic 2003.
- Cirsium ochrocentrum* A. Gray [*Sivinski 3145 UNM*; Sandia, near Placitas] YELLOW-SPINE THISTLE. Arroyos and disturbed roadsides in foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Ivey 2003.
- Cirsium parryi* (A. Gray) Petrak [*Sivinski 3196 UNM*; Sandia, crest road] PALE THISTLE. Mixed conifer and subalpine forests. M&H 1975, Jercinovic 2003. (*Cirsium pallidum*)
- Cirsium undulatum* (Nutt.) Spreng. [*Sivinski & Lowrey 5742 UNM*; North Sandia Peak, 9800'] WAVY-LEAF THISTLE. Piñon-juniper woodland up to subalpine forest. M&H 1975, Jercinovic 2003. The Sandia Crest population has atypical white to pink flowers.
- * « *Cirsium vulgare* (Savi) Tenore » BULL THISTLE; reported by Jercinovic (2003) – needs specimen verification.
- Conyza canadensis* (L.) Cronq. [*Herrick 1018 UNM*; Sandia, Pino Canyon] CANADIAN HORSEWEED. Arroyos and disturbed soils from foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003.
- Coreopsis lanceolata* L. [*Sivinski 4922 UNM*; Manzano, Cañon Nuevo, 2450 m] LANCE-LEAF TICKSEED. Canyon bottoms in piñon-juniper woodland and ponderosa pine forest. Jercinovic 2003.
- Coreopsis tinctoria* Nutt. [*Dittmer s.n. UNM*; Sandia, 6,500'] GOLDEN TICKSEED. Disturbed soils in foothill scrub and piñon-juniper woodland. M&H 1975.
- * « *Cosmos bipinnatus* Cav. » GARDEN COSMOS; reported by Ivey (2003) – needs specimen verification.
- Cosmos parviflorus* (Jacq.) Pers. [*Hutchins 2409 UNM*; Sandia, east side, 7000'] SOUTHWESTERN COSMOS. Foothill scrub up to ponderosa pine forest. W&S 1915, M&H 1975, Jercinovic 2003.
- Cyclachaena xanthifolia* (Nutt.) Fresenius [*Jackson 2242 UNM*; Sandia, Tree Spring] CARELESS WEED. Disturbed ground in piñon-juniper woodland and ponderosa pine forest. W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. (*Iva xanthifolia*)
- Dieteria bigelovii* (A. Gray) Morgan & Hartman [TYPE: *Bigelow s.n.* GH, NY, arroyos in the Sandia Mts.] BIGELOW'S SPINE-ASTER. Ponderosa pine and mixed conifer forests. M&H 1975, Jercinovic 2003. (*Machaeranthera bigelovii*)
- Dieteria canescens* (Pursh) Nutt. var. *ambigua* (B.L. Turner) Morgan & Hartman [*Gieschen 115 TEX*, Sandia, 0.3 mi below snow play area] PURPLE ASTER. Mixed conifer forest. Turner 1987. (*Machaeranthera canescens* var. *ambigua*)
- Dieteria canescens* var. *glabra* (A. Gray) Morgan & Hartman [*Jackson & Hoff s.n. UNM*; E-side of Sandia Mts.] SMOOTH PURPLE ASTER. Foothill scrub and piñon-juniper woodland. Bedker 1966, Ivey 2003. (*Machaeranthera canescens* var. *glabra*)
- Dyssodia papposa* (Vent.) A.S. Hitchc. [*Bedker 809 UNM*; Manzano, Nuevo Canyon] FETID-MARIGOLD. Disturbed soils from foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003.
- Engelmannia peristenia* (Raf.) Goodman & Lawson [*Bedker 225 UNM*; Manzano, road to Capilla Peak] ENGELMANN'S DAISY. Piñon-juniper woodland up to mixed conifer forest. Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. (*Engelmannia pinnatifida*)
- Ericameria nauseosa* (Pallas ex Pursh) Nesom & Baird var. *bigelovii* (A. Gray) Nesom & Baird [*Ellis 319 US*, Sandia] BIGELOW'S RABBITBRUSH. Foothill scrub and piñon-juniper woodland. M&H 1975. (*Chrysothamnus nauseosus* subsp. *bigelovii*)
- Ericameria nauseosa* var. *latisquamea* (A. Gray) Nesom & Baird [*Pattison 182 UNM*; Sandia, Juan Tabo Canyon] RUBBER RABBITBRUSH. Foothill scrub up to ponderosa pine forest. W&S 1915, M&H 1975. (*Chrysothamnus nauseosus* subsp. *latisquameus*)

- « *Erigeron canus* A. Gray » HOARY FLEABANE; reported by M&H (1975) – needs specimen verification.
- Erigeron divergens* Torr. & Gray [*Sivinski 4932* UNM; Manzano, Cañon Nuevo, 2450 m] SPREADING FLEABANE DAISY. Piñon-juniper and ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003.
- Erigeron eximius* Greene [*Sivinski 3195* UNM; Sandia Crest] SPRUCE-FIR FLEABANE DAISY. Subalpine forest. Bedker 1966, M&H 1975.
- Erigeron flagellaris* A. Gray [*Herrick 254* UNM; Sandia, Bear Canyon] WHIPLASH FLEABANE DAISY. Ponderosa pine and mixed conifer forests. Bedker 1966, M&H 1975, Jercinovic 2003.
- Erigeron formosissimus* Greene [*Bedker 638* UNM; Manzano] BEAUTIFUL FLEABANE DAISY. Ponderosa pine and mixed conifer forests. Bedker 1966, Jercinovic 2003.
- « *Erigeron lonchophyllus* Hook. » SHORT-RAY FLEABANE; reported by Jercinovic (2003) – needs specimen verification.
- Erigeron neomexicanus* A. Gray [*Jercinovic 131* UNM; Manzano, Red Canyon] NEW MEXICO FLEABANE DAISY. Piñon-juniper woodland and ponderosa pine forest in southern Manzano Mountains. Jercinovic 2003.
- « *Erigeron philadelphicus* L. » PHILADELPHIA FLEABANE; reported by M&H (1975) – needs specimen verification.
- Erigeron speciosus* (Lindl.) DC. [*Sivinski 5038* UNM; South Sandia Peak, 2900 m] ASPEN FLEABANE DAISY. Mixed conifer and subalpine forests. M&H 1975, Jercinovic 2003.
- Erigeron subtrinervis* Rydb. ex Porter & Britt. [*Sivinski 3162* UNM; Sandia Crest] THREE-NERVE FLEABANE DAISY. Ponderosa pine forest up to subalpine forest. W&S 1915, M&H 1975.
- Erigeron tracyi* Greene [*Martin 3064* UNM; Sandia, Las Huertas Canyon] RUNNING FLEABANE DAISY. Piñon-juniper woodland. (*Erigeron colomexicanus*)
- Erigeron vetensis* Rydb. [*Herrick 278* UNM; Sandia Crest] BLUETOP FLEABANE DAISY. Rock outcrops in mixed conifer and subalpine forests. Cronquist 1947; Bedker 1966, M&H 1975, Jercinovic 2003.
- Erigeron vreelandi* Greene [*Dunbar 42* UNM; Sandia, near Cienega Campground] BROAD-LEAF FLEABANE DAISY. Mixed conifer forest. Bedker 1966.
- « *Euthamia occidentalis* Nutt. » WESTERN GOLDENTOP; reported by M&H (1975) as *Solidago occidentalis* – needs specimen verification.
- « *Flaveria campestris* J.R. Johnston » ALKALI YELLOWTOPS; reported by M&H (1975) – needs specimen verification.
- Gaillardia pinnatifida* Torr. [*Anon. UNM*; Cibola NF, Tajique Allotment] RED-DOME BLANKETFLOWER. Foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003.
- Gaillardia pulchella* Foug. [*Hutchins 2374* UNM; Sandia, east slope, 7800'] FIREWHEEL. Piñon-juniper woodland and ponderosa pine forest. M&H 1975, Jercinovic 2003.
- « *Gnaphalium exilifolium* A. Nels. » SLENDER CUDWEED; reported by M&H (1975) – needs specimen verification.
- Grindelia squarrosa* (Pursh) Dunal [*Sivinski 5053* UNM; Sandia, foothill near Placitas] CURLY-TOP GUMWEED. Disturbed roadsides from foothill scrub to mixed conifer forest. Bedker 1966, M&H 1975, Jercinovic 2003. (*Grindelia aphanactis*, *Grindelia nuda* var. *aphanactis*)
- Grindelia scabra* Greene; ROUGH GUMWEED. W&S 1915. Tentatively accepted. W&S (1915) specimen apparent, but not located.
- Gutierrezia microcephala* (DC.) A. Gray [*Sivinski 5050* UNM; Sandia, near Placitas] THREAD-LEAF SNAKEWEED. Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975.
- Gutierrezia sarothrae* (Pursh) Britt. & Rusby [*Bedker 803* UNM; Manzano, Los Palos Canyon] BROOM SNAKEWEED. Foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Gutierrezia sphaerocephala* A. Gray [*Sivinski & Jercinovic 5687* UNM; Manzano, Priest Canyon] ROUND-HEAD SNAKEWEED. Foothill scrub and piñon-juniper woodland in the southern Manzano Mountains.
- « *Gutierrezia wrightii* A. Gray » WRIGHT'S SNAKEWEED; reported by Jercinovic (2003) – needs specimen verification.
- Helenium autumnale* L. (Nutt.) Fern. [*Tierney 10* UNM; Sandia, San Antonio Valley] FALL SNEEZEWEED. Wet soils in piñon-juniper woodland. M&H 1975. (*H. autumnale* var. *montanum*)
- Helianthella parryi* A. Gray [*Sivinski 5037* UNM; South Sandia Peak] PARRY'S DWARF SUNFLOWER. Mixed conifer and subalpine forests. Bedker 1966, Jercinovic 2003.
- Helianthella quinquenervis* (Hook.) A. Gray [*Bedker 1087* UNM; Manzano Peak, 9900'] NODDING DWARF SUNFLOWER. Mixed conifer and subalpine forests. Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Helianthus annuus* L. [*Sivinski 3150* UNM; Sandia, Cañon de las Huertas] ANNUAL SUNFLOWER. Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Jercinovic 2003.
- Helianthus ciliaris* DC. [*Sivinski 3231* UNM; Manzano Mts., east slope] TEXAS BLUEWEED. Clayey soils in foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.

- Helianthus petiolaris* Nutt. subsp. *fallax* Heiser [Jackson 2489–3 UNM; Sandia, w-side] PLAINS SUNFLOWER.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Helianthus pauciflorus* Nutt. subsp. *subrhomboides* (Rydb.) O. Spring & E.E. Schilling [Bedker 1316 UNM; Manzano, Cañon Colorado, 7600'] STIFF SUNFLOWER. Canyon bottom in ponderosa pine and mixed conifer forests. M&H 1975, Jercinovic 2003. (*Helianthus rigidus* subsp. *subrhomboides*)
- Heliomeris longifolia* (Robins. & Greenm.) Cockerell [Bedker 730 UNM; Manzano, Cañon Nuevo, 7800'] LONG-LEAF GOLDENEYE. Canyon bottoms and disturbed soils in piñon-juniper woodland and ponderosa pine forest. Bedker 1966. (*Viguiera longiflora*)
- Heliomeris multiflora* Nutt. [Sivinski 3221 UNM; Manzano, Red Canyon] SHOWY GOLDENEYE.
Piñon-juniper woodland and ponderosa pine forest.
Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. (*Viguiera multiflora*)
- Heliopsis helianthoides* (L.) Sweet var. *scabra* (Dunal) Fern. [Sivinski 4909 UNM; Manzano, Cañon Nuevo, 2200 m] MOUNTAIN OXEYE. Canyon bottoms in piñon-juniper woodland and ponderosa pine forest.
W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003. (*Heliopsis scabra*)
- Heterosperma pinnatum* Cav. [Sivinski & Jercinovic 5655 UNM; Manzano, Priest Canyon] WINGPETAL.
Foothill scrub and piñon-juniper woodland. Jercinovic 2003.
- Heterotheca canescens* (DC.) Shinnars [Dunbar 35 UNM; Sandia, Cienega Canyon, 7400'] GRAY CAMPHORWEED.
Piñon-juniper woodland and ponderosa pine forest.
« *Heterotheca villosa* (Pursh) Shinnars var. *foliosa* (Nutt) Harms » HAIRY GOLDEN-ASTER; reported by M&H (1975) as *Chrysopsis foliosa* – needs specimen verification. Not known in NM (Semple 1966).
- Heterotheca villosa* var. *minor* (Hook.) Semple [Bennett 8787 BRY; Sandia Crest] HAIRY GOLDEN-ASTER.
Piñon-juniper woodland up to rock outcrops in subalpine forest.
Semple 1966, M&H 1975. (*Chrysopsis hispida*)
- Heterotheca villosa* var. *nana* (A. Gray) Semple [Ellis 350 NY; Sandia Mts.] HAIRY GOLDEN-ASTER.
Rocky slopes and cliffs from foothill scrub up to mixed conifer forest. Semple 1966. (*Chrysopsis horrida*)
« *Heterotheca villosa* var. *villosa* » ; reported by Bedker (1966) and M&H (1975) as *Chrysopsis villosa* – needs specimen verification. Not known in NM (Semple 1966).
- « *Heterotheca viscida* (A. Gray) Harms » CLIFF GOLDEN-ASTER; reported by M&H (1975) as *Chrysopsis viscida* – needs specimen verification.
- Hieracium fendleri* Schultz-Bip. [Sivinski 5371 UNM; Manzano, Cañon Colorado] FENDLER'S HAWKWEED.
Ponderosa pine and mixed conifer forest. W&S 1915, M&H 1975, Ivey 2003, Jercinovic 2003.
- Hymenopappus filifolius* Hook. var. *cinereus* (Rydb.) I.M. Johnst. [Sivinski 4785 UNM; Sandia, near Placitas] FINE-LEAF WOOLYWHITE. Shaley soils in piñon-juniper woodland. M&H 1975, Jercinovic 2003.
- Hymenopappus flavescens* A. Gray [Sivinski 5707 UNM; Manzano, mouth of Cañon Trigo] YELLOW WOOLY-WHITE.
Roadsides in foothill scrub.
« *Hymenopappus tenuifolius* Pursh » CHALKHILL WOOLYWHITE; reported by M&H (1975) – needs specimen verification.
- Hymenoxys brachyactis* Woot. & Standl. [TYPE: *Wooton s.n.* US, NMC; Manzano Mts., East View] EAST-VIEW RUBBERWEED. Ponderosa pine forest in southern Manzano Mountains. Endemic to New Mexico.
W&S 1913, Ivey 2003.
« *Hymenoxys hoopesii* (A. Gray) Byrne » ORANGE SNEEZEWEED; reported by M&H (1975) as *Helenium hoopesii* – needs specimen verification.
- Hymenoxys richardsonii* (Hook.) Cockerell var. *floribunda* (A. Gray) Parker [Allred 7497 NMCR; Sandia Crest] PINQUE. Piñon-juniper woodland up to rock outcrops in subalpine forest.
Bedker 1966, M&H 1975, Jercinovic 2003.
- Isocoma pluriflora* (Torr. & Gray) Greene [Sivinski 5006 UNM; Sandia, gypsum spring-seep W of Placitas] SOUTHERN JIMMYWEED. Alkaline soils in piñon-juniper woodland. M&H 1975. (*Haplopappus pluriflorus*)
- Lactuca canadensis* L.; CANADIAN LETUCE. W&S 1915, M&H 1975. Tentatively accepted.
W&S (1915) specimen apparent, but not located.
- Lactuca graminifolia* Michx. var. *arizonica* McVaugh [Sivinski 4913 UNM; Manzano, Cañon Nuevo, 2200 m] ARIZONA LETUCE. Shaded slopes in ponderosa pine and mixed conifer forests. M&H 1975.
- **Lactuca serriola* L. [Sivinski 3146 UNM; Sandia, Las Huertas, disturbed roadside] PRICKLY LETUCE.
Disturbed soils from foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003.
- « *Laenecia schiedeana* (Less.) Nesom » PINELAND WOOLWORT; reported by M&H (1975) as *Conyza schiedeana* – needs specimen verification.
- **Leucanthemum vulgare* Lam. [Tafoya s.n. UNM; Sandia, Cienega Picnic Ground] OXEYE DAISY.
Disturbed soils in mixed conifer and subalpine forest.

- Liatris punctata* Hook. [*Nave & Laney 58 UNM*; Manzano, Kayser Mill Canyon] DOTTED GAYFEATHER.
Piñon-juniper woodland and ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003.
- Lorandersonia baileyi* (Woot. & Standl.) Urbatsch, Roberts & Neubig [*Sivinski & Jercinovic 5679 UNM*; Manzano, Priest Canyon] BAILEY'S RABBITBRUSH. Sandy soils in foothill scrub and piñon-juniper woodland. (*Chrysothamnus pulchellus* var. *baileyi*, *Ericameria pulchella* var. *baileyi*)
- Lygodesmia juncea* (Pursh) D. Don ex Hook [*Castetter 8890 UNM*; Sandia, near Forest Park] RUSH SKELETON-PLANT.
Piñon-juniper woodland.
- Machaeranthera tanacetifolia* (Kunth) Nees [*Martin 3726 UNM*; Manzano, 3 mi W of Mountainair] TAHOCA-DAISY. Foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003.
- Malacothrix fendleri* A. Gray [*Sivinski 4764 UNM*; Sandia, Cañon Embudito] FENDLER'S DESERT-DANDELION.
Foothill scrub and piñon-juniper woodland. W&S 1915, M&H 1975, Jercinovic 2003.
- Melampodium leucanthum* Torr. & Gray [*Tafuya s.n. UNM*; Manzanita, Chamiso Canyon] PLAINS BLACKFOOT-DAISY.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Mulgedium pulchellum* (Pursh) G. Don in R. Sweet [*Sivinski & Carter 4970 UNM*; Sandia, Cañon de las Huertas] RUSSIAN BLUE LETUCE. Canyon bottoms in piñon-juniper woodland and ponderosa pine forest.
M&H 1975, Jercinovic 2003. (*Lactuca pulchella*, *Lactuca tartarica* subsp. *pulchella*)
- Oreobryum parryi* (A. Gray) Rydb. [*Sivinski 5060 UNM*; Sandia Crest] PARRY'S GOLDENROD.
Mixed conifer and subalpine forests. W&S 1915, M&H 1975, Jercinovic 2003. (*Haplopappus parryi*)
- Packera fendleri* (A. Gray) W.A. Weber & A. Löve [*Sivinski 3177 UNM*; Sandia Crest] FENDLER'S GROUNDSEL.
Piñon-juniper woodland up to rock outcrops in subalpine forest.
W&S 1915, M&H 1975, Ivey 2003, Jercinovic 2003. (*Senecio fendleri*)
- « *Packera multilobata* (Torr. & Gray) W.A. Weber & A. Löve » LOBELEAF GROUNDSEL; reported by M&H (1975) as *Senecio multilobatus* – needs specimen verification.
- Packera neomexicana* (A. Gray) W.A. Weber & A. Löve var. *mutabilis* (Greene) W.A. Weber & A. Löve [*Bedker 1659 UNM*; Manzano, Cañon de la Vereda, 7700'] NEW MEXICO GROUNDSEL.
Piñon-juniper woodland up to mixed conifer forest.
Bedker 1966, M&H 1975, Jercinovic 2003. (*Senecio neomexicanus* var. *mutabilis*)
- Packera neomexicana* A. Gray W.A. Weber & A. Löve var. *neomexicana* [*Jackson 2039 UNM*; Sandia, E-slope] NEW MEXICO GROUNDSEL. Ponderosa pine forest. (*Senecio neomexicanus* var. *neomexicanus*)
- Packera sanguisorboides* (Rydb.) W.A. Weber & A. Löve [*Johnson 9 UNM*; Sandia Crest] BURNET GROUNDSEL.
Mixed conifer and subalpine forests. (*Senecio sanguisorboides*)
- « *Palafoxia sphacelata* (Nutt. ex Torr.) Cory » ROTTING PALAFOX; reported by M&H (1975) – needs specimen verification.
- Parthenium incanum* Kunth [*Skinner 70 UNM*; Sandia, Juan Tabo Picnic Area] MARIOLA.
Foothill scrub and piñon-juniper woodland. M&H 1975, Ivey 2003.
- Pectis angustifolia* Torr. [*Wagner 1344 UNM*; Sandia, Piedra Lisa Trail, piñon-juniper] LEMMONWEED.
Foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003.
- Pericome cauda* A. Gray [*Jennings 105 UNM*; Manzanita, Cedro Canyon, 7000'] TAPERLEAF.
Rock outcrops in piñon-juniper woodland and ponderosa pine forest. M&H 1975, Jercinovic 2003.
- « *Picradeniopsis oppositifolia* (Nutt) Rydb. ex Britt. » FALSE BAHIA; reported by M&H (1975) as *Bahia oppositifolia* – needs specimen verification.
- « *Plectrocephalus americanus* (Nutt.) D. Don » AMERICAN BASKETFLOWER; reported by Jercinovic (2003) as *Centaurea americana* – needs specimen verification.
- Pseudognaphalium macounii* (Greene) Kartesz [*Christiansen 1289 UNM*; Manzano, Red Canyon, 7800'] MACOUN'S RABBIT-TOBACCO. Ponderosa pine and mixed conifer forest. (*Gnaphalium macounii*)
- « *Pseudognaphalium stramineum* (Kunth) W.A. Weber » COTTON-BATTING-PLANT; reported by M&H (1975) as *Gnaphalium chilense* – needs specimen verification.
- « *Psilostrophe sparsiflora* (A. Gray) A. Nels. » GREEN-STEM PAPER-FLOWER; reported by M&H (1975) – needs specimen verification.
- Psilostrophe tagetina* (Nutt.) Greene [*Tafuya s.n. UNM*; Manzanita, Chamiso Canyon] WOOLY PAPER-FLOWER.
Foothill scrub and piñon-juniper woodland. W&S 1915, M&H 1975, Jercinovic 2003.
- « *Pyrrhopappus pauciflorus* (D. Don) DC. » TEXAS FALSE-DANDELION; reported by M&H (1975) – needs specimen verification.
- Ratibida columnifera* (Nutt.) Woot. & Standl. [*Cockrell 65 UNM*; Sandia, Tejano Canyon] MEXICAN HAT.
Piñon-juniper woodland and ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003.
- Ratibida tagetes* (James) Barnh. [*Sivinski 3147 UNM*; Sandia, Cañon de las Huertas] GREEN MEXICAN HAT.
Foothill scrub and piñon-juniper woodland. W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.

- Rudbeckia laciniata* L. var. *ampla* (A. Nels.) Cronq. [Gordon & Norris 113 UNM; NW of Sandia Park, 8000'] CUTLEAF CONEFLOWER. Riparian in ponderosa pine and mixed conifer forests. Bedker 1966; M&H 1975, Jercinovic 2003.
- Sanvitalia abertii* A. Gray [Tafuya s.n. UNM; Manzanita, Chamiso Canyon] ALBERT'S DOME. Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- **Scorzonera laciniata* L. [Sivinski 4730 UNM; Manzanita, disturbed roadside at Tijeras] FALSE SALSIFY. Disturbed ground in foothill scrub and piñon-juniper woodland. Jercinovic 2003.
- Senecio bigelovii* A. Gray [TYPE: Bigelow 984 GH, NY; Sandia Mts.] BIGELOW'S GROUNDSEL. Mixed conifer and subalpine forests. W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.
- Senecio eremophilus* Richards. var. *kingii* (Rydb.) Greenm. [Sivinski & Jercinovic 5406 UNM, Manzano, ridge S of Bosque Peak] CUTLEAF GROUNDSEL. Mixed conifer and subalpine forests. Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Senecio flaccidus* Lessing [Pattison 164 UNM; Manzanita, Cedro Canyon, 7000'] THREADLEAF GROUNDSEL. Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Jercinovic 2003. (*Senecio douglasii* of some NM authors)
- Senecio spartioides* Torr. & Gray [Sivinski 5783 UNM; Sandia, near Zamora] BROOM GROUNDSEL. Foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003. (*Senecio multicapitatus*, *S. spartiodes* var. *multicapitatus*)
- Senecio wootonii* Greene [Jercinovic 203 UNM; Manzano, Ox Canyon, 7,150'] WOOTON'S GROUNDSEL. Ponderosa pine and mixed conifer forests. Jercinovic 2003.
- « *Solidago altissima* L. var. *altissima* » TALL GOLDENROD; reported by M&H (1975) – needs specimen verification.
- Solidago altissima* subsp. *gilvocanescens* (Rydb.) Semple [Jennings 65/4 UNM; Sandia, old fish hatchery near Placitas, 6,400'] CANADIAN GOLDENROD. Springs and streamsides in piñon-juniper woodland and ponderosa pine forest. M&H 1975. (*Solidago canadensis* var. *gilvocanescens*)
- Solidago missouriensis* Nutt. [Bedker 1163 UNM; Manzano, 4th of July Canyon] MISSOURI GOLDENROD. Canyon bottoms and rocky meadows in ponderosa pine and mixed conifer forests. Bedker 1966; M&H 1975.
- Solidago mollis* Bartling [Bedker 440 UNM; Manzano, Red Canyon, 7800'] VELVET GOLDENROD. Ponderosa pine and mixed conifer forests.
- « *Solidago multiradiata* Ait. » ROCKY MOUNTAIN GOLDENROD; reported by M&H (1975) – needs specimen verification.
- Solidago nemoralis* Aiton subsp. *decemflora* (DC.) Brammall ex Semple [Keller 1678 UNM; Manzano, south of Red Canyon] GRAY GOLDENROD. Ponderosa pine forest. (*S. nemoralis* var. *longipetiolata*)
- Solidago rigida* L. subsp. *humilis* (Porter) S.B. Heard & Semple [Sivinski 3157 UNM; Manzano, E-slope] HARD-LEAF GOLDENROD. Piñon-juniper woodland and ponderosa pine forest. Ivey, 2003, Jercinovic 2003. (*Oligoneuron rigidum* var. *humile*)
- Solidago simplex* [Bedker 1315 UNM; Manzano, Red Canyon, 9000'] MT. ALBERT GOLDENROD. Ponderosa pine and mixed conifer forests. W&S 1915, M&H 1975, Jercinovic 2003. (*Solidago decumbens* var. *oreophila*, *Solidago spathulata* var. *neomexicana*)
- Solidago speciosa* Nutt. subsp. *pallida* (Porter) Semple [Sivinski 5017 UNM; Sandia, South Peak Trail] SHOWY GOLDENROD. Ponderosa pine forest. Identification is tentative as this specimen appears to combine characteristics of both *S. speciosa* and *S. simplex*.
- Solidago velutina* DC. subsp. *sparsiflora* (A. Gray) Semple [Sivinski & Jercinovic 5407 UNM; Manzano, 2 km S of Bosque Peak] THREE-NERVE GOLDENROD. Ponderosa pine and mixed conifer forests. W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003. (*Solidago sparsiflora*)
- Solidago wrightii* A. Gray [Bedker 782 UNM; Manzano, Nuevo Canyon, 7200'] WRIGHT'S GOLDENROD. Ponderosa pine and mixed conifer forests. Jercinovic 2003. (*S. wrightii* var. *adenophora*)
- **Sonchus asper* (L.) Hill [Dunbar 46 UNM; Sandia, Cienega Canyon] SPINY-LEAF SOW-THISTLE. Disturbed soils from foothill scrub up to mixed conifer forest. W&S 1915, M&H 1975, Jercinovic 2003.
- **Sonchus oleraceus* L. [Sivinski 5725 UNM; Sandia, Piedra Lisa Trail, 2100 m] COMMON SOW-THISTLE. Disturbed soils from foothill scrub up to ponderosa pine forest.
- Stephanomeria exigua* Nutt. [Jercinovic 101 UNM; Manzano, 4th of July Canyon, 7,000'] WHITE-PLUME WIRE-LETTUCE. Sandy arroyos in piñon-juniper woodland and ponderosa pine forest. Jercinovic 2003.
- Stephanomeria pauciflora* (Torr.) A. Nels. [Sivinski 5085 UNM; Sandia, near Juan Tabo Cabin] FEW-FLOWERED WIRE-LETTUCE. Foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003.

- Stephanomeria tenuifolia* (Raf.) H.M. Hall [*Sivinski & Jercinovic 5634* UNM; Manzano, Priest Canyon] LESSER WIRE-LETTUCE. Sandy arroyos in piñon-juniper woodland and ponderosa pine forest. Bedker 1966, M&H 1975. (*Stephanomeria minor*)
- « *Symphotrichum ascendens* (Lindl.) Nesom » WESTERN ASTER; reported by M&H (1975) as *Aster adscendens* – needs specimen verification.
- « *Symphotrichum ericoides* (L.) Nesom » WHITE HEATH ASTER; reported by M&H (1975) as *Aster ericoides* – needs specimen verification.
- Symphotrichum falcatum* (Lindl.) Nesom var. *commutatum* (Torr. & Gray) Nesom [*Jones 333-29* UNM; Sandia, Tree Spring] PRAIRIE ASTER. Riparian in piñon-juniper woodland and ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003. (*Aster commutatus*)
- « *Symphotrichum foliaceum* (Lindl. ex DC.) Nesom » ALPINE ASTER; reported by M&H (1975) as *Aster foliaceus* – needs specimen verification.
- Symphotrichum laeve* (L.) Löve & Löve var. *geyeri* (A. Gray) Nesom [*Sivinski 3224* UNM; Manzano, Ox Canyon] SMOOTH BLUE ASTER. Canyon bottoms and riparian in piñon-juniper woodland and ponderosa pine forest. M&H 1975, Ivey 2003, Jercinovic 2003. (*Aster laevis*)
- Symphotrichum lanceolatum* (Willd.) Nesom var. *hesperium* (A. Gray) Nesom [*Sivinski 5236* UNM; Sandia, Tunnel Spring near Placitas] WOOTON'S ASTER. Wet soils at springs and streams in piñon-juniper woodland and ponderosa pine forest. M&H 1975, Jercinovic 2003. (*Aster hesperius*)
- « *Symphotrichum novae-angliae* (L.) Nesom » NEW ENGLAND ASTER; reported by Ivey (2003) and Jercinovic (2003) – needs specimen verification.
- **Taraxacum erythrospermum* Andrzejowski & Besser [*Sivinski 5726* UNM; Sandia, Canyon del Agua] RED-SEED DANDELION. Piñon-juniper woodland up to subalpine forest. M&H 1975. (*Taraxicum laevigatum*)
- **Taraxacum officinale* F.H. Wiggers [*Sivinski 4771* UNM; Sandia, Cañon Embudito] COMMON DANDELION. Piñon-juniper woodland up to subalpine forest. Bedker 1966, M&H 1975, Jercinovic 2003.
- Tetradymia canescens* DC. [*Castetter & Dittmer 9203* UNM; near Manzano] SPINELESS HORSEBRUSH. Piñon-juniper woodland. Bedker 1966.
- Tetradymia filifolia* Greene [*Sivinski 5044* UNM; Sandia, gypsum outcrop near Placitas] THREAD-LEAF HORSEBRUSH. Gypseous soils in piñon-juniper woodland at north end of Sandia Mountains.
- Tetranuris acaulis* (Pursh) Greene [*Dunbar 598* UNM; Sandia, Kiwanis Meadow, 10,400'] STEMLESS RUBBERWEED. Limestone outcrops in mixed conifer and subalpine forests. Bedker 1966, M&H 1975. (*Hymenoxys acaulis*)
- Tetranuris argentea* (A. Gray) Greene [*Sivinski 4392* UNM; Sandia, P-J] PERKY-SUE. Foothill scrub and piñon-juniper woodland. W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. (*Hymenoxys argentea*)
- Tetranuris scaposa* (DC.) Greene [*Sivinski 6214* UNM; Sandia, Cañon de la Cueva] NAKED RUBBERWEED. Foothill scrub and piñon-juniper woodland. (*Hymenoxys scaposa*)
- Thelesperma filifolium* (Hook.) A. Gray [*Sivinski 4881* UNM; Manzanita, Tijeras roadside] STIFF GREENTHREAD. Disturbed soils in piñon-juniper woodland. M&H 1975, Ivey 2003, Jercinovic 2003. (*T. filifolium* var. *intermedium*)
- Thelesperma megapotamicum* (Spreng.) Kuntz [*Gordon & Norris 26* UNM; Sandia Park] NAVAJO-TEA. Piñon-juniper woodland and ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003.
- Thymophylla acerosa* (DC.) Strother [*Sivinski 5051* UNM; Sandia, foothill near Placitas] PRICKLE-LEAF DOGWEEED. Foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003. (*Dyssodia acerosa*)
- « *Thymophylla pentachaeta* (DC.) Small » FIVENEEDLE PRICKLYLEAF; reported by M&H (1975) as *Dyssodia pentachaeta* – needs specimen verification.
- Townsendia annua* Beaman [*Sivinski 5703* UNM; Manzano, Priest Canyon, 6,100'] ANNUAL TOWNSEND-DAISY. Foothill scrub and piñon-juniper woodland. Jercinovic 2003.
- Townsendia eximia* A. Gray [*Sivinski 3137* UNM; Sandia Crest] ROCKY MOUNTAIN TOWNSEND-DAISY. Ponderosa pine forest up to rock outcrops in subalpine forest. W&S 1915, M&H 1975, Ivey 2003, Jercinovic 2003.
- Townsendia excapa* (Richards.) Porter [*Sivinski 4728* UNM; Manzanita, S of Chilili] STEMLESS TOWNSEND-DAISY. Piñon-juniper woodland and ponderosa pine forest. W&S 1915, M&H 1975, Ivey 2003, Jercinovic 2003.
- Townsendia fendleri* A. Gray; FENDLER'S TOWNSEND-DAISEY. W&S 1915, M&H 1975. Tentatively accepted. W&S (1915) specimen apparent, but not located.
- **Tragopogon dubius* Scop. [*Tafoya s.n.* UNM; Sandia, Cienega Spring] YELLOW SALSIFY. Meadows and roadsides in foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003.

- **Tragopogon porrifolius* L. [*Sivinski 4884* UNM; Sandia Park] LEEK SALSIFY.
Meadows and roadsides in foothill scrub up to ponderosa pine forest. M&H 1975, Jercinovic 2003.
- **Tragopogon pratensis* L. [*Sivinski 4879* UNM; Manzanita, Zamora] MEADOW SALSIFY.
Meadows and roadsides in foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975.
- Verbesina encelioides* (Cav.) Benth. & Hook. [*Jackson 2090* UNM; Sandia, just N of San Antonito]
GOLDEN CROWNBEARD. Disturbed soils from foothill scrub up to ponderosa pine forest.
M&H 1975, Jercinovic 2003. (*V. encelioides* subsp. *exauriculata*)
- Viguiera dentata* (Cav.) Spreng. [*Wagner 510* UNM; Manzanita, Sol Se Mete Canyon, 6700', P-J]
TOOTHED GOLDENEYE. Foothill scrub and piñon-juniper woodland.
- Xanthisma gracile* (Nutt.) Morgan & Hartman [*Sivinski 3153* UNM; Sandia, P-J near Placitas]
SLENDER SPINE-ASTER. Foothill scrub and piñon-juniper woodland.
Bedker 1966, M&H 1975, Jercinovic 2003. (*Haplopappus gracilis*, *Machaeranthera gracilis*)
- Xanthisma spinulosum* (Pursh) Morgan & Hartman [*Shartzler & Talbot 17-21* UNM; Manzano, 6500']
LACY SPINE-ASTER. Foothill scrub and piñon-juniper woodland.
Bedker 1966, M&H 1975, Jercinovic 2003. (*Haplopappus spinulosus*, *Machaeranthera pinnatifida*)
- **Xanthium spinosum* L. [*Sivinski & Lowrey 5694* UNM; Manzano, Priest Canyon] SPINY COCKLEBUR.
Disturbed soils in foothill scrub and piñon-juniper woodland. Jercinovic 2003.
- Xanthium strumarium* L. [*Sivinski 5173* UNM; Sandia, Cañon Embudito] ROUGH COCKLEBUR.
Arroyo bottoms in foothill scrub and piñon-juniper woodland.
Bedker 1966, M&H 1975, Jercinovic 2003. (*X. strumarium* var. *canadense*)
- Zinnia grandiflora* Nutt. [*Shartzler & Talbot 18-21* UNM; Manzano, 6500'] PLAINS ZINNIA.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Jercinovic 2003.

BERBERIDACEAE Barberry Family

- Berberis fendleri* A. Gray [*Sivinski 3191* UNM; Sandia Crest] FENDLER'S BARBERRY.
Ponderosa pine forest up to subalpine forest. W&S 1915, M&H 1975.
- Berberis fremontii* Torr. [*Bedker 1441* UNM; Manzano, Priest Canyon] FREMONT'S BARBERRY.
Piñon juniper woodland. Bedker 1966.
- Berberis haematocarpa* Woot. [*Bedker 1224* UNM; Manzano, Trigo Canyon] ALGERITA.
Piñon-juniper woodland. W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.
- Berberis repens* Lindl. [*Boyd 8* UNM; Sandia Mts.] CREEPING OREGON-GRAPE.
Ponderosa pine and mixed conifer forests.
W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003. (*Mahonia repens*)

BIGNONIACEAE Catalpa Family

- Chilopsis linearis* (Cav.) Sweet [*Sivinski 5077* UNM; Sandia, Cañon de la Cueva] DESERT WILLOW.
Arroyo bottoms in foothill scrub.

BORAGINACEAE Borage Family

- Cryptantha cinerea* (Greene) Cronq. [*Sivinski 1002* UNM; Sandia, NE foothill] BOW-NUT CRYPTANTHA.
Foothill scrub up to ponderosa pine forest.
M&H 1975, Jercinovic 2003. (*Cryptantha jamesii* var. *multicaulis*)
- Cryptantha crassisejala* (Torr. & Gray) Greene var. *elechantha* I.M. Johnst. [*Jones 247* UNM; Sandia Mts.]
THICKSEPAL CRYPTANTHA. Coarse soils in foothill scrub and piñon-juniper woodland.
M&H 1975, Jercinovic 2003.
- Cryptantha fulvocanescens* (S. Wats.) Payson [*Sivinski 4753* UNM; Sandia, north foothill, P-J] TAWNY CRYPTANTHA.
Shaley and gypseous soils in piñon-juniper woodland at north end of Sandia Mountains. M&H 1975.
- Cryptantha minima* Rydb. [*Sivinski 4815* UNM; Sandia, Cañon de la Cueva] LEAST CRYPTANTHA.
Silty soils in foothill scrub and piñon-juniper woodland. M&H 1975.
- Cryptantha oblata* (M.E. Jones) Payson [*Sivinski 5708* UNM; Manzano, west foothill] ROUGH CRYPTANTHA.
Calcareous soils in foothill scrub on west foothill of Manzano Mountains.
- Cryptantha paysonii* (Macbr.) I.M. Johnst. [*Jercinovic 304* UNM; Manzano, Priest Canyon] PAYSON'S CRYPTANTHA.
Calcareous soils in foothill scrub at south end of Manzano Mountains. Jercinovic 2003.
- Hackelia besseyi* (Rydb.) J.L. Gentry [*Sivinski 5043* UNM; Sandia, South Peak Trail] BESSEY'S STICKSEED.
Piñon-juniper woodland and ponderosa pine forest. (*Hackelia grisea*)
- Hackelia floribunda* (Lehm.) I.M. Johnst. [*Sivinski 3220* UNM; Manzano, Ox Canyon] MANY-FLOWERED STICKSEED.
Canyon bottoms in ponderosa pine and mixed conifer forests. M&H 1975, Jercinovic 2003.

- « *Hackelia hirsuta* (Woot. & Standl.) I.M. Johnst. » NEW MEXICO STICKWEED; reported by M&H (1975) – needs specimen verification.
- Hackelia pinetorum* (Greene ex A. Gray) I.M. Johnst. [*Ellis 184* US; Sandia, Balsam Park] LIVERMORE STICKSEED. Mixed conifer and subalpine forests. Gentry & Carrier 1976.
- Heliotropium convolvulaceum* (Nutt.) A. Gray [*Abbot et al. s.n.* UNM; Sandia, W-slope] TRUMPET HELIOTROPE. Sandy arroyos in foothill scrub. M&H 1975.
- « *Heliotropium curassavicum* L. » SEASIDE HELIOTROPE; reported by M&H (1975) – needs specimen verification.
- Lappula occidentalis* (S. Wats.) Greene var. *cupulata* (A. Gray) M.E. Jones [*Sivinski 5704* UNM; Manzano, Priest Canyon] SPINY SHEEPBUR. Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Ivey 2003. (*Lappula texana*)
- Lappula occidentalis* var. *occidentalis* [*Hutchins 2834* UNM; Sandia Mts.] SPINY SHEEPBUR. Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Jercinovic 2003. (*Lappula redowskii*)
- * « *Lappula squarrosa* (Retz.) Dumort. » BRISTLY SHEEPBUR; reported by M&H (1975) as *Lappula echinata* – needs specimen verification.
- Lithospermum incisum* Lehm. [*Bedker 1625* UNM; Manzano Mts.] FRINGED GROMWELL. Foothill scrub and piñon-juniper woodland. W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.
- Lithospermum multiflorum* Torr. [*Bedker 1136* UNM; Manzano Mts.] WAYSIDE GROMWELL. Foothill scrub up to mixed conifer forest. Bedker 1966, M&H 1975, Jercinovic 2003.
- Macromeria viridiflora* A. DC. var. *thurberi* (A. Gray) I.M. Johnst. [*Jercinovic 115* UNM; Manzano, Red Canyon] THURBER'S GIANT TRUMPETS. Mixed conifer forest in Manzano Mountains. Jercinovic 2003.
- Mertensia franciscana* Heller [*Bedker 899* UNM; Manzano Mts.] SAN FRANCISCO BLUEBELLS. Riparian in mixed conifer forest. Bedker 1966, M&H 1975, Jercinovic 2003.
- Mertensia lanceolata* (Pursh) DC. [*Sivinski 3188* UNM; Sandia, North Peak Trail] PRAIRIE BLUEBELLS. Ponderosa pine forest up to subalpine forest. W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.

BRASSICACEAE Mustard Family

- **Alyssum parviflorum* Fisch. ex M. Bieb. [*Sivinski 4775* UNM; Manzanita, along Hwy at Zamora] FIELD ALYSSUM. Disturbed soils in foothill scrub and piñon-juniper woodland. Jercinovic 2003. (*Alyssum minus*)
- Arabis hirsuta* (L.) Scop. var. *pyncocarpa* (M. Hopkins) Rollins; HAIRY ROCKCRESS. W&S 1915, Bedker 1966, M&H 1975. Tentatively accepted. W&S (1915) specimen apparent, but not located.
- **Barbarea vulgaris* R. Br. [*Sivinski 4895* UNM; Sandia, Cañon de las Huertas] GARDEN YELLOW-ROCKET. Riparian in piñon-juniper woodland and ponderosa pine forest.
- Boechera fendleri* (S. Wats.) W.A. Weber [*Palmer 31202* MO, Sandia Mts.] FENDLER'S ROCKCRESS. Foothill scrub up to ponderosa pine forest. Rollins 1941, Bedker 1966, M&H 1975, Jercinovic 2003. (*Arabis fendleri*)
- « *Boechera holboellii* (Hornem.) A. & D. Löve » HOLBOELL'S ROCK-CRESS; reported by M&H (1975) as *Arabis holboellii* var. *retrofracta* – needs specimen verification
- Boechera perennans* (S. Wats.) W.A. Weber [*Knight 1838* UNM; Sandia, Tunnel Spring Trail] PERENNIAL ROCKCRESS. Foothill scrub and piñon-juniper woodland. Tentative identification for the variable population in this mountain range, which appears to be hybridizing with *B. fendleri*. (*Arabis perennans*)
- * « *Brassica juncea* (L.) Czern. » CHINESE MUSTARD; reported by M&H (1975) – needs specimen verification.
- **Camelina microcarpa* Andr. ex DC. [*Sivinski 4885* UNM; Sandia Park] LITTLE FALSE-FLAX. Disturbed soils in piñon-juniper woodland. Ivey 2003, Jercinovic 2003.
- **Capsella bursa-pastoris* (L.) Medik. [*Sivinski 3233* UNM; Sandia, Ski Lodge parking area] SHEPHERD'S PURSE. Disturbed soils in ponderosa pine and mixed conifer forest. W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.
- **Chorispora tenella* (Pallas) DC. [*Sivinski 4732* UNM; Manzanita, Tijeras] CROSSFLOWER. Disturbed soils in piñon-juniper woodland. Jercinovic 2003.
- **Conringia orientalis* (L.) Dumort [*Sivinski 5317* UNM; Sandia, Tunnel Spring Trail near Placitas] HARE'S-EAR-MUSTARD. Disturbed soils in piñon-juniper woodland. Jercinovic 2003.
- Descurainia californica* (A. Gray) O.E. Schulz [*Sivinski & Carter 4968* UNM; Sandia, Cañon de las Huertas] SIERRAN TANSY-MUSTARD. Canyon bottoms in ponderosa pine and mixed conifer forests.

- Descurainia incana* (Bernh. ex Fisch. & C.A. Mey.) Dorn [*Wooton s.n.* US; Sandia Mts.-Placitas] MOUNTAIN TANSY-MUSTARD. Piñon-juniper woodland up to mixed conifer forest. W&S 1915, M&H 1975, Detling 1939.
- Descurainia incisa* (Engelm. ex A. Gray) Britton [*Bedker 402* UNM; Manzano, Red Canyon] TANSY-MUSTARD. Piñon-juniper woodland up to mixed conifer forest. M&H 1975, Jercinovic 2003.
- « *Descurainia obtusa* (Greene) O.E. Schulz » BLUNT TANSY-MUSTARD; reported by M&H (1975) and Jercinovic (2003) – needs specimen verification.
- Descurainia pinnata* (Walt.) Britt. subsp. *glabra* (Woot. & Standl.) Detling [*Sivinski 4767* UNM; Sandia, Cañon Embudito, 2050 m] WESTERN TANSY-MUSTARD. Foothill scrub and piñon-juniper woodland.
- Descurainia pinnata* subsp. *halictorum* (Cockll.) Detling [*Sivinski 4760* UNM; Sandia, Carnuel] WESTERN TANSY-MUSTARD. Foothill scrub and piñon-juniper woodland. Bedker 1966.
- **Descurainia sophia* (L.) Webb. ex Prantl [*Sivinski 4674* UNM; Sandia, Carnuel] FIXWEED. Disturbed soils in foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003.
- Dimorphocarpa wislizeni* (Engelm.) Rollins [*Tafuya s.n.* UNM; NW Sandias, FR 445, ca 6900'] SPECTACLE-POD. Sandy arroyos in foothill scrub and piñon juniper woodland. Bedker 1966, M&H 1975, Jercinovic 2003. (*Dithyrea wislizeni*)
- « *Draba aurea* Vahl ex Hornem. » GOLDEN WHITLOW-GRASS; reported by Bedker (1966), M&H (1975) and Jercinovic (2003), but probably a misidentification of *Draba helleriana*. Needs specimen verification.
- Draba cuneifolia* Nutt. ex Torr. & Gray [*Sivinski 4391* UNM; Sandia, NW slope] WEDGELEAF WHITLOW-GRASS. Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Jercinovic 2003.
- Draba helleriana* Greene var. *helleriana* [Ellis 71 NY; Sandia Mts.] HELLER'S WHITLOW-GRASS. Ponderosa pine forest up to subalpine forest. W&S 1915, Hitchcock 1941, Bedker 1966, M&H 1975, Ivey 2003.
- Draba helleriana* var. *patens* (Heller) Schulz [*Bigelow s.n.* G; Sandia Mts.] HELLER'S WHITLOW-GRASS. Subalpine forest. Hitchcock 1941.
- « *Draba petrophila* Greene » SANTA RITA WHITLOW-GRASS; reported by M&H (1975) – needs specimen verification.
- Draba reptans* (Lamark) Fernald [*Jercinovic 300* UNM; Manzano, Apache Canyon, 7120'] SMOOTH WHITLOW-GRASS. Piñon-juniper woodland. Jercinovic 2003.
- Erysimum capitatum* (Dougl. ex Hook.) Greene [*Tafuya 79* UNM; Sandia, Cienega Trail] PLAINS WALLFLOWER. Piñon-juniper woodland up to subalpine forest. W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- **Erysimum repandum* L. [*Jercinovic 309* UNM; Manzano, Tajiue Canyon] SPREADING WALLFLOWER. Disturbed ground in piñon-juniper woodland and ponderosa pine forest.
- Hesperidanthus linearifolius* (A. Gray) Rydb. [*Bedker 1390* UNM; Manzano, Tajiue Canyon] SLIM-LEAF PLAINS-MUSTARD. Piñon-juniper woodland up to mixed conifer forest. Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. (*Schoenocrambe linearifolia*, *Thelypodopsis linearifolia*)
- Lepidium alyssoides* A. Gray var. *eastwoodiae* (Woot.) Rollins [Ellis 72 MO, NY, US, Sandia Mts.] EASTWOOD'S PEPPERWEED. Piñon-juniper woodland and ponderosa pine forest. W&S 1915, Hitchcock 1936, Jercinovic 2003.
- **Lepidium chalepensis* L. [*Sivinski 5230* UNM; Sandia, slope behind ski lodge, 2,600 m] HOARYCRESS. Disturbed soils from piñon-juniper woodland up to mixed conifer forest. (*Cardaria chalepensis*)
- * « *Lepidium draba* L. » HOARYCRESS; reported by Jercinovic (2003) as *Cardaria draba* – needs specimen verification.
- Lepidium lasiocarpum* Nutt. var. *wrightii* (A. Gray) C.L. Hitchc. [*Sivinski 4782* UNM; Sandia, La Cueva] WRIGHT'S PEPPERWEED. Foothill scrub and piñon-juniper woodland.
- « *Lepidium montanum* Nutt. » JONES'S PEPPERWEED; reported by M&H (1975) and Ivey 2003 – needs specimen verification.
- Lepidium virginicum* L. var. *medium* (Greene) C.L. Hitchc. [*Sivinski 4817* UNM; Sandia, Cañon de la Cueva, 2050 m] POOR-MAN'S PEPPERWEED. Foothill scrub and piñon-juniper woodland. W&S 1915, M&H 1975.
- **Nasturtium officinale* R. Br. [*Sivinski 5237* UNM; Sandia, Tunnel Spring] WATERCRESS. Springs and streams in piñon-juniper woodland and ponderosa pine forest. M&H 1975, Ivey 2003, Jercinovic 2003. (*Rorippa nasturtium-aquaticum*)
- Nerisyrenia camporum* (A. Gray) Greene [*Dittmer 2201* UNM; Manzano Mts.] BICOLORED FAN-MUSTARD. Foothill scrub in southern Manzano Mountains.
- « *Noccaea montana* (L.) F.K. Mey. » ALPINE PENNYCRESS; reported by M&H (1975) and Ivey (2003) as *Thlaspi montanum* – needs specimen verification.
- Pennellia longifolia* (Benth.) Rollins [*Jercinovic 225* UNM; Manzano, Ox Canyon, 8700'] LONG-LEAF THELYPODY. Ponderosa pine and mixed conifer forest. W&S 1915, Jercinovic 2003. (*Thelypodium longifolium*)

- Pennellia micrantha* (A. Gray) Nieuwl. [*Sivinski & Jercinovic 5629 UNM*; Manzano, near Pine Shadow Spring] MOUNTAIN THELYPODY. Ponderosa pine and mixed conifer forests. M&H 1975. (*Thelypodium micranthum*)
- Physaria fendleri* (A. Gray) O'Kane & Al-Shehbaz [*Sivinski 4385 UNM*; Sandia, NW foothill] FENDLER'S BLADDERPOD. Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Jercinovic 2003. (*Lesquerella fendleri*)
- Physaria gordonii* (A. Gray) O'Kane & Al-Shehbaz [*Martin 3737 UNM*; Manzano, north of Manzano, 6700'] GORDON'S BLADDERPOD. Foothill scrub and piñon-juniper woodland. M&H 1975. (*Lesquerella gordonii*)
- « *Physaria ovalifolia* (Rydb.) O'Kane & Al-Shehbaz » ROUND-LEAF BLADDERPOD; reported by W&S (1915), M&H (1975), and Ivey (2003) as *Lesquerella ovalifolia* – needs specimen verification. All authors have apparently misidentified *Physaria pinetorum* as *P. ovalifolia*.
- Physaria pinetorum* (Woot. & Standl.) O'Kane & Al-Shehbaz [*Castetter 4797 UNM*; Sandia, Inspiration Point, 9000'] WHITE MOUNTAIN BLADDERPOD. Piñon-juniper woodland up to rock outcrops in subalpine forest. M&H 1975, Jercinovic 2003. (*Lesquerella pinetorum*)
- Physaria rectipes* (Woot. & Standl.) O'Kane & Al-Shehbaz [*Sivinski 5710 UNM*; Manzano, Apache Canyon] STRAIGHT BLADDERPOD. Piñon-juniper woodland. (*Lesquerella rectipes*)
- Rorippa palustris* (L.) Bess. var. *fernaldiana* (Butters & Abbe) Stuckey [*Jercinovic 108 UNM*; Manzano, 4th of July Canyon] FERNALD'S YELLOWCRESS. Riparian in ponderosa pine forest.
- « *Rorippa sinuata* (Nutt.) A.S. Hitchc. » SPREADING YELLOW-CRESS; reported by Jercinovic (2003) – needs specimen verification.
- Selenia dissecta* Torr. & Gray [*Castetter 4820 UNM*; Sandia, Sedillo Hill] TEXAS SELENIA. Silty soils in piñon-juniper woodland. M&H 1975.
- **Sisymbrium altissimum* L. [*Sivinski 4761 UNM*; Sandia, Carnuel] TUMBLE-MUSTARD. Roadsides and other disturbed ground in foothill scrub and piñon-juniper woodland. Jercinovic 2003.
- **Sisymbrium irio* L. [*Sivinski 5700 UNM*; Sandia, Carnuel] LONDON ROCKET. Roadsides and other disturbed ground in foothill scrub.
- Streptanthus cordatus* Nutt. [*Sivinski 4784 UNM*; Sandia, shale slopes near Placitas] JEWEL-FLOWER. Shale outcrops in piñon-juniper woodland at north end of Sandia Mountains.
- Thelypodopsis vaseyi* (S. Wats. ex B.L. Robins.) Rollins; VASEY'S TUMBLE-MUSTARD. W&S 1915, M&H 1975. Tentatively accepted. W&S (1915) specimen apparent, but not located. (*Sisymbrium vaseyi*)
- Thelypodium wrightii* A. Gray [*Barneby 12851 CAS*, Manzano Mts.] WRIGHT'S THELYPODY. Piñon-juniper woodland and ponderosa pine forest. Al-Shehbaz 1973, M&H 1975, Jercinovic 2003.
- CACTACEAE** Cactus Family
- Cylindropuntia imbricata* (Haw.) F.M. Kunth [*Castetter 2172 UNM*; Sandia, W-slope] CANE CHOLLA. Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Jercinovic 2003. (*Opuntia imbricata*)
- Echinocereus coccineus* Engelm. [*Pierce 2684 UNM*; Sandia, W-slope] SCARLET HEDGEHOG-CACTUS. Foothill scrub up to rock outcrops in mixed conifer forest. Bedker 1966, M&H 1975, Jercinovic 2003. (*Echinocereus triglochidiatus* var. *melanacanthus*)
- Echinocereus fendleri* (Engelm.) F. Seitz [*Castetter 2860 UNM*, Sandia] FENDLER'S HEDGEHOG. Foothill scrub and piñon-juniper woodland. M&H 1975, Ivey 2003, Jercinovic 2003.
- Echinocereus triglochidiatus* Engelm. [*Higgins s.n.* UNM; Manzano, Priest Canyon] CLARET-CUP CACTUS. Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. (*E. triglochidiatus* var. *gonacanthus* and var. *neomexicanus*)
- Echinocereus viridiflorus* Engelm. [*Castetter 3075 UNM*; Sandia, E-slope] GREEN-FLOWERED PITAYA. Piñon-juniper woodland. M&H 1975, Jercinovic 2003. (*E. viridiflorus* var. *cylindricus*)
- Echinomastus intertextus* (Engelm.) Britt. & Rose var. *dasyacanthus* (Engelm.) Backeberg [*Voutman 2283 UNM*; Manzanita, south of Tijeras Canyon] EARLY-BLOOMER. Foothill scrub and piñon-juniper woodland. M&H 1975. (*Neolloydia intertexta* var. *dasyacantha*, *Sclerocactus intertextus* var. *dasyacanthus*)
- Echinomastus intertextus* (Engelm.) Britt. & Rose var. *intertextus*; EARLY-BLOOMER. Benson 1982. Tentatively accepted. Benson (1982) specimen apparent, but not located. (*Neolloydia intertexta*, *Sclerocactus intertextus*)
- Escobaria vivipara* (Nutt.) Buxbaum [*Sivinski 3283 UNM*; Manzano, Tajique Canyon] NEW MEXICO PINCUSHION. Foothill scrub up to ponderosa pine forest. W&S 1915, M&H 1975, Ivey 2003, Jercinovic 2003. (*Coryphantha vivipara* var. *arizonica* and var. *neomexicana*)
- Grusonia clavata* (Engelm.) H. Robinson [*Castetter 249 UNM*; Sandia, W-slope] CLUB CHOLLA. Foothill scrub. M&H 1975, Jercinovic 2003. (*Opuntia clavata*)
- Mammillaria meiacantha* Engelm. [*Castetter 148 UNM*; Sandia, Juan Tabo Canyon] LITTLE NIPPLE-CACTUS. Foothill scrub and piñon-juniper woodland. (*Mammillaria heyderi* var. *meiacantha*)

- Mammillaria wrightii* (Engelm.) Britt. & Rose [Castetter 3945 UNM; Manzanita, south of Tijeras Canyon] WRIGHT'S NIPPLE-CACTUS. Foothill scrub and piñon-juniper woodland. M&H 1975.
- Opuntia engelmannii* Salm-Dyck ex Engelm. [Wiens 3389 UNM; Sandia, W-slope] ENGELMANN'S PRICKLY-PEAR. Foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003. Several Sandia Mountain populations are the *Opuntia valida* of Griffiths (1914), including the type locality of San Antonio, which is probably the San Antonio on the east slope of Sandia Mountain. Some NM botanists believe *O. valida* is not synonymous with *O. engelmannii*. (*Opuntia phaeacantha* var. *discata*, *O. valida*)
- Opuntia macrorhiza* Engelm. [Castetter 1101 UNM; Sandia, E-slope] WESTERN PRICKLY-PEAR. Piñon-juniper woodland and ponderosa pine forest. Bedker 1966, M&H 1975.
- Opuntia phaeacantha* Engelm. [Castetter 290 UNM; Sandia, W-slope] PLAINS PRICKLY-PEAR. Foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003. Shows a great amount of variation in our flora and needs further study. Some Sandia Mountain plants conform to *Opuntia gilvoscens* Griffiths, which some NM botanists believe is not synonymous with *O. phaeacantha*. (*Opuntia gilvoscens*, *O. phaeacantha* var. *major*)
- « *Opuntia polyacantha* Haw. var. *erinacea* (Engelm. & Bigelow) Parfitt » GRIZZLYBEAR PRICKLY-PEAR; reported by M&H (1975) as *Opuntia erinacea*, but this taxon is not in NM (Pinkava 2003) – needs specimen verification.
- Opuntia polyacantha* Haw. var. *hystricina* (Engelm. & Bigelow) Parfitt [Pierce 3373 UNM; Manzano, W-slope at Flat Mesa] HAIR-SPINE PRICKLY-PEAR. Piñon-juniper woodland.
- Opuntia polyacantha* var. *polyacantha* [Burt 3393 UNM; Sandia, Embudo Canyon] HAIR-SPINE PRICKLY-PEAR. Foothill scrub up to ponderosa pine forest. M&H 1975, Jercinovic 2003. (*O. polyacantha* var. *rufispina* and var. *trichophora*)
- Pediocactus simpsonii* (Engelm.) Britt. & Rose [Pierce 2632 UNM; Sandia, North Peak] SNOWBALL CACTUS. Rocky meadows in mixed conifer and subalpine forests. Bedker 1966, M&H 1975, Jercinovic 2003.
- Sclerocactus papyracanthus* (Engelm.) N.P. Taylor [Pierce 2632 UNM; Sandia, above Placitas] GRAMA GRASS CACTUS. Foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003. (*Pediocactus papyracanthus*, *Toumeyia papyracantha*)

CAMPANULACEAE Harebell Family

- « *Campanula parryi* A. Gray » PARRY'S BELLFLOWER; reported by M&H (1975) – needs specimen verification.
- Campanula rotundifolia* L. [O'Neill s.n. UNM; Sandia, Tree Spring] HAREBELL. Mixed conifer and subalpine forests. W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- « *Lobelia cardinalis* L. subsp. *graminea* (Lam.) McVaugh » CARDINALFLOWER; reported by M&H (1975) – needs specimen verification.
- Triodanis perfoliata* (L.) Nieuwl. [Clark s.n. UNM; Sandia, W-slope] VENUS'-LOOKING-GLASS. Foothill scrub and piñon-juniper woodland. W&S 1915, M&H 1975, Jercinovic 2003.

CANNABACEAE Hemp Family

- Humulus lupulus* L. var. *neomexicanus* Nelson & Cockerell [Jennings s.n. UNM; Sandia, Las Huertas Canyon] NEW MEXICO HOPS. Canyon bottoms in piñon-juniper woodland up to mixed conifer forest. M&H 1975, Jercinovic 2003.

CAPPARACEAE Caper Family

- Cleome serrulata* Pursh [Tafóya 122 UNM; Sandia, crest road] ROCKY MOUNTAIN BEEPLANT. Disturbed soils in piñon-juniper woodland and ponderosa pine forest. M&H 1975. APG-2003 Cleomaceae
- Polanisia dodecandra* (L.) DC. subsp. *trachysperma* (Torr. & Gray) Iltis [Sivinski 5080 UNM; Sandia, near Juan Tabo Cabin] RED-WHISKER CLAMMYWEED. Arroyos and roadsides in foothill scrub and piñon-juniper woodland. M&H 1975. APG-2003 Cleomaceae

CAPRIFOLIACEAE Honeysuckle Family

- « *Lonicera involucrata* Banks ex Spreng. » FOUR-LINE HONEYSUCKLE; reported by M&H (1975) – needs specimen verification.
- * « *Lonicera japonica* Thunb. » JAPANESE HONEYSUCKLE; reported by M&H (1975) – needs specimen verification.
- « *Sambucus racemosa* L. var. *melanocarpa* (A. Gray) McMinn » RED ELDERBERRY; reported by M&H (1975) – needs specimen verification.
- Sambucus racemosa* var. *microbotrys* (Rydb.) Kearney & Peebles [Dittmer 6197 UNM; Sandia Crest, 9500'] RED ELDER. Mixed conifer and subalpine forests. M&H 1975, Ivey 2003, Jercinovic 2003. APG-2003 Adoxaceae

Symphoricarpos rotundifolius A. Gray [*Eastwood 15675a* CAS, Sandia Mts.] ROUND-LEAF SNOWBERRY.
Ponderosa pine forest up to subalpine forest.
W&S 1915, Jones 1940, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
(*Symphoricarpos oreophilus*, *Symphoricarpos utahensis*)

CARYOPHYLLACEAE Pink or Carnation Family

- **Agrostemma githago* L.; CORNCOCKLE. W&S 1915, M&H 1975. Tentatively accepted. W&S (1915) specimen apparent, but not located.
- Arenaria lanuginosa* (Michx.) Rohrb. subsp. *saxosa* (A. Gray) Maguire [*Tafoya 93* UNM; Sandia, Cienega Trail] SPREADING SANDWORT. Mixed conifer and subalpine forests. M&H 1975. (*Arenaria saxosa*, *Arenaria confusa*)
- « *Cerastium arvense* L. » FIELD CHICKWEED; reported by M&H (1975) – needs specimen verification.
- Cerastium brachypodium* (Engelm. ex A. Gray) B.L. Robins. [*Bell 4131* UNM; Manzano Recreation Area, 7,500'] SHORT-STALK CHICKWEED. Ponderosa pine and mixed conifer forests. Bedker 1966, M&H 1975.
- **Cerastium fontanum* Baumg. subsp. *vulgare* (Hartman) Greuter & Burdet [*Bedker 677* UNM; Manzano, Crest N of Manzano Peak, 10000'] BIG CHICKWEED. Mixed conifer and subalpine forests. Bedker 1966.
- Cerastium nutans* Raf. [*Bedker 636* UNM; Manzano, Kaiser Mill Canyon, 8400'] NODDING CHICKWEED.
Piñon juniper woodland up to mixed conifer forest. Jercinovic 2003.
- Drymaria glandulosa* K. Presl [*Sivinski & Lowrey 5613* UNM; Manzano, Priest Canyon] FENDLER'S DRYMARY.
Piñon-juniper woodland.
- Drymaria molluginea* (Lag.) Didr.; SLIM-LEAF DRYMARY. W&S 1915, M&H 1975. Tentatively accepted.
W&S (1915) specimen apparent, but not located. (*Drymaria sperguloides*)
- Eremogone fendleri* (A. Gray) Ikonnikov [*Sivinski 3138* UNM; Sandia Crest] FENDLER'S SANDWORT.
Limestone outcrops in mixed conifer and subalpine forests. Bedker 1966, M&H 1975, Jercinovic 2003.
(*Arenaria fendleri*)
- Minuartia macrantha* (Rydb.) House [*M. Baad 1035* MICH; Sandia Crest, 3200 m] ALPINE STICHWORT.
Limestone outcrops in subalpine forest. A single small population at Kiwanis Point near the stone cabin.
(*Arenaria macrantha*)
- Moebringia macrophylla* (Hook.) Frenzl [*Sivinski et al. 4904* UNM; Sandia Crest in spruce-fir forest] LARGE-LEAF SANDWORT. Mixed conifer and subalpine forests. Ivey 2003, Jercinovic 2003.
(*Arenaria macrophylla*)
- Paronychia jamesii* Torr. & Gray [*Stewart 922* UNM; Sandia, north foothill W of Placitas] JAMES' NAILWORT.
Limestone in piñon-juniper woodland.
- Paronychia sessiliflora* Nutt. [*Naylor 122* UNM; Sandia, 0.5 mi N of Sandia Peak] LOW NAILWORT.
Limestone outcrops in mixed conifer forest. An unusual high elevation location for this prairie species.
- Pseudostellaria jamesiana* (Torr.) W.A. Weber & R.L. Hartman [*Tafoya 90* UNM; Sandia, Cienega Trail] STICKY STARWORT. Ponderosa pine and mixed conifer forests.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2005, Jercinovic 2003. (*Stellaria jamesiana*)
- * « *Saponaria officinalis* L. » BOUNCING BET; reported by M&H (1975) – needs specimen verification.
- Silene antirrhina* L. [*Sivinski 4397* UNM; Sandia, NW foothill] SLEEPY CATCHFLY.
Coarse soils in foothill scrub and piñon-juniper woodland. W&S 1915, Bedker 1966, M&H 1975.
- « *Silene drummondii* Hook. » DRUMMOND'S CATCHFLY; reported by M&H (1975) as *Lychnis drummondii* – needs specimen verification.
- Silene laciniata* Cav. subsp. *greggii* (A. Gray) C.L. Hitchc. & Maguire [*Segura 4* UNM; Sandia, W-side] CARDINAL CATCHFLY. Rocky slopes in piñon-juniper and ponderosa pine forest.
- **Silene noctiflora* L.; NIGHT CATCHFLY. W&S 1915, M&H 1975. Tentatively accepted. W&S (1915) specimen apparent, but not located.
- Silene plankii* C.L. Hitchc. & Maguire [*Fletcher 2525* UNM; Sandia, W-slope] PLANK'S CATCHFLY.
Granite cliffs and rock outcrops in piñon-juniper woodland and ponderosa pine forest.
- Silene scouleri* Hook. subsp. *pringlei* (S. Wats.) C.L. Hitchc. & Maguire [*Bedker 592* UNM; Manzano, Kayser Mill Canyon, 8400'] PRINGLE'S CATCHFLY. Meadows from piñon-juniper woodland up to subalpine forest.
Bedker 1966, M&H 1975, Jercinovic 2003. Hitchcock and Maguire (1947) identified the *Gordon & Norris 164* UNM specimen from Sandia Mountain as subsp. *hallii* (S. Wats.) C.L. Hitchc., but this distinction is not apparent.
- « *Stellaria longifolia* Muhl. ex Willd. » LONG-LEAF STARWORT; reported by M&H (1975) – needs specimen verification.
- « *Stellaria longipes* Goldie » LONG-STALK STARWORT; reported by Jercinovic (2003) – needs specimen verification.
- **Stellaria media* (L.) Vill.; COMMON CHICKWEED. W&S 1915, M&H 1975. Tentatively accepted.
W&S (1915) specimen apparent, but not located.

CELASTRACEAE Staff Tree or Bittersweet Family

Pachystima myrsinites (Pursh) Raf. [*Sivinski 5373* UNM; Manzano, Cañon Colorado] MOUNTAIN LOVER.
Mixed conifer and subalpine forests. W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.

CHENOPODIACEAE Goosefoot Family

Atriplex canescens (Pursh) Nutt. [*Reagan 361* UNM; Manzanita, Cedro Canyon] FOUR-WING SALTBUCH.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975.

Atriplex obovata Moq. [*Martin 3734* UNM; Manzano, 2 miles N of Manzano] NEW MEXICO SALTBUCH.
Alkaline soils in piñon-juniper woodland. Bedker 1966.

**Chenopodium album* L. [*Tierney 9* UNM; Sandia, Ojo de San Antonio] LAMB'S QUARTERS.
Disturbed soils from foothill scrub up to ponderosa pine forest.
Bedker 1966, M&H 1975, Jercinovic 2003, Allred 2005b.

Chenopodium atrovirens Rydb. [*Bedker 674* UNM; Manzano, Kaiser Mill Canyon, 9800'] PIÑON GOOSEFOOT.
Piñon-juniper woodland up to mixed conifer forest. Allred 2005b.

Chenopodium berlandieri Moq. [*Tierney 3* UNM; Sandia, Ojo de San Antonio Valley] PITTED GOOSEFOOT.
Piñon-juniper woodland. Allred 2005b.

**Chenopodium capitatum* (L.) Ambrosi var. *parvicapitatum* S.L. Welch [*Sivinski 4941* UNM; Manzano, Capilla Peak] STRAWBERRY BLITE. Disturbed ground in mixed conifer and subalpine forests.
W&S 1915, M&H 1975, Ivey 2003, Jercinovic 2003.

Chenopodium dessicatum A. Nelson [*Bedker 1567* UNM; Manzano, Comanche Canyon] THICK-LEAF GOOSEFOOT.
Coarse soils in arroyos and on roadsides in foothill scrub and piñon-juniper woodland.
Bedker 1966, Allred 2005b.

Chenopodium fremontii S. Wats. [*Bedker 653* UNM; Manzano, Kaiser Mill Canyon, 9200'] FREMONT'S GOOSEFOOT.
Piñon-juniper woodland up to rocky meadows in mixed conifer forest.
Bedker 1966, M&H 1975, Ivey 2003, Allred 2005b.

« *Chenopodium incanum* (S. Wats.) Heller » MEALY GOOSEFOOT; reported by M&H (1975) and Jercinovic (2003) – needs specimen verification.

Chenopodium leptophyllum (Moquin-Tandon) Nutt. ex S. Wats. [*Sivinski 5087* UNM; Sandia, Juan Tabo picnic area] NARROW-LEAF GOOSEFOOT. Coarse soils in arroyos and on roadsides in foothill scrub and piñon-juniper woodland. Jercinovic 2003.

Chenopodium simplex (Torr.) Raf. [*Jercinovic 120* UNM; Manzano] GIANT-SEED GOOSEFOOT.
Piñon-juniper woodland. W&S 1915, M&H 1975, Jercinovic 2003.

« *Corispermum americanum* (Nutt.) Nutt. » AMERICAN BUGSEED; reported by M&H (1975) – needs specimen verification.

* « *Dysphania botrys* (L.) Mosyakin & Clemants » JERUSALEM-OAK; reported by M&H (1975) as *Chenopodium botrys* – needs specimen verification.

Dysphania graveolens (Willd.) Mosyakin & Clemants [*Tafuya s.n.* UNM; Manzanita, Cedro Peak] FETID GOOSEFOOT. Piñon-juniper woodland and ponderosa pine forest.

Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. (*Chenopodium graveolens*, *Teloxys graveolens*)

« *Kochia americana* S. Wats. » GREEN MOLLY; reported by M&H (1975) – needs specimen verification.

**Kochia scoparia* (L.) Schrad. [*Sivinski 5052* UNM; Sandia, near Placitas] KOCHIA.

Disturbed soils in foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003.

Krascheninnikovia lanata (Pursh) Meeuse & Smits [*Sauer 45* UNM; Sandia, Tijeras Canyon] WINTERFAT.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Jercinovic 2003.
(*Ceratoides lanata*, *Eurotia lanata*)

**Salsola collina* P.S. Pallas [*Sivinski & Jercinovic 5669* BRIT; Manzano, Priest Canyon, host plant on *Cuscuta* specimen] SLENDER RUSSIAN-THISTLE. Disturbed ground in foothill scrub and piñon-juniper woodland.

**Salsola tragus* L. [*Shartzler & Talbot 1-21* UNM; Manzano, 6550'] PRICKLY RUSSIAN-THISTLE. Disturbed ground in foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975. (*Salsola kali* of various NM authors)

Sarcobatus vermiculatus (Hook.) Torr. [*King s.n.* UNM; Manzano, near Manzano, 7000'] GREASEWOOD.
Alkaline soils in piñon-juniper woodland. Bedker 1966. APG-2003 Sarcobataceae

CLUSIACEAE Clusia Family

Hypericum formosum H.B.K. [*Sivinski 4919* UNM; Manzano, Cañon Nuevo, 2450 m] ST. JOHN'S-WORT.
Wet valley bottom soils in ponderosa pine and mixed conifer forests.
Bedker 1966, M&H 1975, Jercinovic 2003. APG-2003 Hypericaceae

CONVOLVULACEAE Morning Glory Family

- * « *Calystegia sepium* (L.) R. Br. » HEDGE BINDWOOD; reported by M&H (1975) – needs specimen verification.
- * *Convolvulus arvensis* L. [Bedker 1042 UNM; Manzano, Nuevo Canyon] FIELD BINDWEED.
Disturbed ground on roadsides. Bedker 1966, M&H 1975, Jercinovic 2003.
- Convolvulus equitans* Benth. [Dunbar 709 UNM; Sandia, Tijeras Canyon] TEXAS BINDWEED.
Arroyos and rocky ridges in foothill scrub and piñon-juniper woodland. Jercinovic 2003.
- Evolvulus nuttallianus* Roemer & Schultes [Sivinski 4400 UNM; Sandia, NW foothill] SHAGGY MORNING-GLORY.
Foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003.
- Ipomoea costellata* Torr. [Wagner 515 UNM; Manzanita, Sol Se Mete Canyon, P-J] CRESTED MORNING-GLORY.
Piñon-juniper woodland. Jercinovic 2003.
- Ipomoea cristulata* H. Hall [Bedker 1453 UNM; Manzano] SCARLET MORNING-GLORY.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Jercinovic 2003. (*Ipomoea coccinea*)
- « *Ipomoea longifolia* Benth. » PINKTHROAT MORNING-GLORY; reported by M&H (1975) – needs specimen verification.
Not known to occur in NM (Austin 1990).
- * *Ipomoea purpurea* (L.) Roth [Sivinski & Jercinovic 5649 UNM; Manzano, Priest Canyon]
COMMON MORNING-GLORY. Occasional garden escape to valley bottoms of piñon-juniper woodland.
M&H 1975, Jercinovic 2003.

CORNACEAE Dogwood Family

- Cornus sericea* L. [Sivinski 3235 UNM; Sandia, Cañon de las Huertas] RED-OSIER DOGWOOD.
Riparian in ponderosa pine and mixed conifer forests. W&S 1915, M&H 1975. (*Cornus stolonifera*)

CRASSULACEAE Stonecrop Family

- Sedum cockerellii* Britt. [Clausen et al. 4693 CU, Sandia Crest] COCKERELL'S STONECROP.
Rock outcrops from ponderosa pine forest to subalpine forest.
W&S 1915, Clausen and Uhl 1943, M&H 1975, Jercinovic 2003.
- Sedum integrifolium* (Raf.) A. Nels. [Sivinski 3170 UNM; Sandia Crest] ROSEWORT.
Rock outcrops in subalpine forest. M&H 1975.
- « *Sedum rhodanthum* A. Gray » QUEEN'S-CROWN; reported by M&H (1975) – needs specimen verification.
- Sedum wrightii* A. Gray subsp. *priscum* R.T. Clausen [Allred 6294 NMCR; Manzano, 8500'] WRIGHT'S STONECROP.
Rock outcrops in mixed conifer forest.

CUCURBITACEAE Gourd or Cucumber Family

- Cucurbita foetidissima* Kunth [McConnell 58 UNM; Sandia, W-slope] BUFFALO GOURD.
Valley bottoms and roadsides in foothill scrub and piñon-juniper woodland.
Bedker 1966, M&H 1975, Jercinovic 2003.
- Sicyos ampelophyllus* Wooton & Standley [Jercinovic 271 UNM; Manzano, Priest Canyon, 6240']
STREAMSIDE BUR-CUCUMBER. Arroyos in foothill scrub and piñon-juniper woodland. Jercinovic 2003

CUSCUTACEAE Dodder Family APG-2003 Convolvulaceae

- Cuscuta megalocarpa* Rydb.; BIG-FRUIT DODDER. W&S 1915, M&H 1975. Tentatively accepted.
W&S (1915) specimen apparent, but not located.
- Cuscuta umbellata* H.B.K. [Hutchins 9935 UNM; Sandia, La Cueva picnic ground] FLAT-GLOBE DODDER.
Parasite on various herbaceous plants in foothill scrub and piñon-juniper woodland.

ELAEAGNACEAE Oleaster Family

- * *Elaeagnus angustifolia* L. [Sivinski 5092 UNM; Sandia, near Juan Tabo Picnic Area] RUSSIAN OLIVE.
Riparian areas and disturbed roadsides from foothill scrub up to ponderosa pine forest. M&H 1975.

ERICACEAE Heath Family

- Monotropa hypopithys* L. [Hutchins 2401 UNM; Sandia, E-slope] INDIAN-PIPE.
Shaded understory of ponderosa pine and mixed conifer forests.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Orthilia secunda* (L.) House [Sivinski 4999 UNM; Sandia Crest, spruce-fir] SIDEBELLS.
Shaded understory of subalpine forest. M&H 1975. (*Ramischia secunda*)

- Pterospora andromedea* Nutt. [*Hutchins 2566* UNM; Sandia, E-slope] PINE-DROPS.
Shaded understory of ponderosa pine and mixed conifer forests.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Pyrola chlorantha* Sw. [*Sivinski 5062* UNM; Sandia Crest, spruce-fir] GREEN-FLOWER WINTERGREEN.
Shaded understory of subalpine forest. W&S 1915, M&H 1975. (*Pyrola virens*)
- « *Pyrola picta* J.E. Smith » WHITE-VEIN WINTERGREEN; reported by M&H (1975) – needs specimen verification.
- « *Vaccinium myrtillus* L. var. *oreophilum* (Rydb.) Dorn » WHORTLE-BERRY; reported by M&H (1975) as *Vaccinium oreophilum* – needs specimen verification.

EUPHORBIACEAE Spurge Family

- Chamaesyce fendleri* (Torr. & Gray) Small [*Sivinski & Lowrey 5696* UNM; Manzano, Priest Canyon]
FENDLER'S SPURGE. Foothill scrub and piñon-juniper woodland. M&H 1975. (*Euphorbia fendleri*)
- Chamaesyce prostrata* (Ait.) Small [*Sivinski 5151* UNM; Manzanita, Zamora] PROSTRATE SPURGE.
Foothill scrub and piñon-juniper woodland. (*Euphorbia prostrata*)
- Chamaesyce revoluta* (Engelm.) Small [*Ellis 335* US; Sandia Mts. near La Luz Mine] CURL-LEAF SPURGE.
Piñon-juniper and ponderosa pine forest. M&H 1975, Wheeler 1941. (*Euphorbia revoluta*)
- Chamaesyce serpyllifolia* (Pers.) Small [*Powers 48* UNM; Sandia Crest] THYME-LEAF SPURGE.
Disturbed ground from foothill scrub up rocky meadows in subalpine forest.
M&H 1975, Jercinovic 2003. (*Euphorbia serpyllifolia*)
- Chamaesyce strictospora* (Engelm.) Small [*Castetter 7087* UNM; Sandia, Cienega Canyon] SLIM-SEED SPURGE.
Rocky places and disturbed ground from foothill scrub up to ponderosa pine forest.
W&S 1915, M&H 1975. (*Euphorbia strictospora*)
- Croton texensis* (Klotzsch) Muell.-Arg. [*Baca 42* UNM; Sandia, Doc Long picnic area] TEXAS CROTON.
Loose soils on shaley slopes and road cuts in piñon-juniper and ponderosa pine forest.
W&S 1915, M&H 1975.
- Euphorbia brachycera* Engelm. [*Sivinski 5065* UNM; Sandia, Capulin Canyon, 2500 m] HORNED SPURGE.
Piñon-juniper woodland up to mixed conifer forest. M&H 1975, Jercinovic 2003. (*Euphorbia robusta*)
- Euphorbia davidii* Subils [*Tafoya s.n.* UNM; Manzanita, Cedro Canyon] DAVID'S SPURGE.
Canyon bottoms and disturbed soils from foothill scrub up to ponderosa pine forest.
M&H 1975, Jercinovic 2003. (*Euphorbia dentata*)
- Euphorbia exstipulata* Engelm. [*Wagner 504* UNM; Manzanita, Sol Se Mete Canyon, 6400'] SQUARE-SEED SPURGE.
Foothill scrub and piñon-juniper woodland. M&H 1975.
- **Euphorbia lathyris* L. [*Jercinovic 516* UNM; Sandia, Tijeras Canyon, 6880'] MOLEPLANT.
Roadsides and other disturbed areas in piñon-juniper woodland. Jercinovic 2005.
- * « *Euphorbia marginata* Pursh » SNOW-ON-THE-MOUNTAIN; reported by M&H (1975) – needs specimen verification.
- « *Tragia nepetaefolia* Cav. » CATNIP NOSEBURN; reported by M&H (1975) – needs specimen verification.
- Tragia ramosa* Torr. [*Sivinski 4383* UNM; Sandia, NW foothill] BRANCHED NOSEBURN.
Rocky places in foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003.

FABACEAE Pea or Bean Family

- Amorpha canescens* Pursh [*Nave & Laney 53* UNM; Manzano, Kayser Mill Canyon] LEADPLANT.
Ponderosa pine forest. Jercinovic 2003.
- Astragalus allochrous* A. Gray var. *playanus* (M.E. Jones) Isely [*Martin 4811* UNM; Manzano, Red Canyon]
HALFMOON MILKVETCH. Foothill scrub and piñon-juniper woodland. M&H 1975. (*Astragalus wootonii*)
- Astragalus amphioxys* A. Gray [*Knight 2486* UNM; Sandia, Piedra Lisa] ALADDIN'S-SLIPPERS.
Foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003.
- Astragalus crassicaarpus* Nutt. var. *cavus* Barneby [*Castetter 5996* UNM; Manzanita, Tijeras] GROUND PLUM.
Piñon-juniper woodland. M&H 1975.
- Astragalus emoryanus* (Rydb.) Cory [*Castetter 6017* UNM; Sandia, Pino Canyon] EMORY'S MILKVETCH.
Granite soil in foothill scrub. M&H 1975.
- Astragalus feensis* M.E. Jones [*Sivinski 4386* UNM; Sandia, south of Placitas] SANTA FE MILKVETCH.
Piñon-juniper woodland.
- Astragalus flexuosus* (Hook.) Dougl. ex G. Don [*Sivinski 4858* UNM; Sandia, north foothill near Placitas]
PLIANT MILKVETCH. Foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003.
- Astragalus humistratus* A. Gray [*Sivinski 4914* UNM; Manzano, Cañon Nuevo, 2350 m]
GROUND-COVER MILKVETCH. Piñon-juniper woodland and ponderosa pine forest.
M&H 1975, Jercinovic 2003.

- Astragalus lentiginosus* Dougl. ex Hook. var. *diphysus* (A. Gray) M.E. Jones [*Wagner 99* UNM; Sandia, Cañon Embudito] FRECKLED MILKVETCH. Foothill scrub and piñon-juniper woodland. M&H 1975.
- Astragalus missouriensis* Nutt. [*Sivinski 4388* UNM; Sandia] MISSOURI MILKVETCH. Foothill scrub and piñon-juniper woodland. M&H 1975.
- Astragalus mollissimus* Torr. [*Castetter 6012* UNM; Sandia Park] WOOLY LOCOWEED. Piñon-juniper woodland and ponderosa pine forest. M&H 1975, Jercinovic 2003.
- Astragalus newberryi* A. Gray [*Sivinski 4387* UNM; Sandia, NW foothill] NEWBERRY'S MILKVETCH. Piñon-juniper woodland at the north end of the Sandia Mountains.
- Astragalus nuttallianus* DC. var. *austrinus* (Small) Barneby [*Hutchins 6842* UNM; Tajique] NUTTALL'S MILKVETCH. Sandy soils in foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003.
- Astragalus nuttallianus* var. *micranthiformis* Barneby [*Fletcher 3772* UNM; Sandia, W-side, 6500'] NUTTALL'S MILKVETCH. Sandy soils in foothill scrub.
- Astragalus praelongus* Sheldon var. *ellisiae* (Rydb.) Barneby [TYPE: *Ellis 421* MO, NY, US; Sandia Mts.] ELLIS' STINKING MILKVETCH. Foothill scrub and piñon-juniper woodland. M&H 1975.
- Astragalus scopulorum* Porter [*Barneby 12854* RSA/POM; Manzano Mts.] ROCKY MOUNTAIN MILKVETCH. Piñon-juniper woodland and ponderosa pine forest. W&S 1915, Barneby 1964.
- « *Astragalus shortianus* Nutt. » SHORT'S MILKVETCH; reported by M&H (1975) – needs specimen verification.
- Calliandra humilis* Benth. [*Sivinski 5019* UNM; Sandia, South Peak Trail] DWARF STICK-PEA. Piñon-juniper woodland. M&H 1975, Jercinovic 2003.
- **Coronilla varia* L. [*Sivinski 5086* UNM; Sandia, near Juan Tabo Cabin] PURPLE CROWN-VETCH. Disturbed roadsides in foothill scrub.
- Dalea candida* Willd. [*Sivinski 3152* UNM; Sandia, Las Huertas] WHITE PRAIRIE-CLOVER. Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Jercinovic 2003. (*Petalostemum candidum*)
- « *Dalea exigua* Barneby » CHIHUAHUA PRAIRIE-CLOVER; reported by M&H (1975) as *Petalostemum exile* – needs specimen verification.
- Dalea formosa* Torr. [*Sivinski 4853* UNM; Sandia, north foothill near Placitas] FEATHER PEA-BUSH. Calcareous soils in foothill scrub and piñon-juniper woodland. W&S 1915, M&H 1975, Jercinovic 2003.
- Dalea jamesii* (Torr.) Torr. & Gray [*Castetter 6057* UNM; Manzanita; Tijeras] JAMES' PRAIRIE-CLOVER. Foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003.
- « *Dalea lanata* Spreng. var. *terminalis* (M.E. Jones) Barneby » WOOLY PRAIRIE-CLOVER; reported by Bedker (1966) – needs specimen verification.
- Dalea leporina* (Ait.) Bullock [*Clarkson 4-58* UNM; Manzanita Mts.] FOXTAIL PRAIRIE-CLOVER. Arroyos and roadsides in piñon-juniper woodland. W&S 1915, M&H 1975.
- Dalea purpurea* Vent. [*Marshall 37* UNM; Sandia Mts.] PURPLE PRAIRIE-CLOVER. Foothill scrub up to ponderosa pine forest. M&H 1975, Ivey 2003, Jercinovic 2003. (*Petalostemum purpureum*)
- Glycyrrhiza lepidota* Pursh [*Castetter 6246* UNM; Manzano Mts.] AMERICAN LICORICE. Canyon bottoms and springs in foothill scrub up to ponderosa pine forest. Jercinovic 2003.
- Hoffmannseggia drepanocarpa* A. Gray. [*Sivinski & Jercinovic 5701* UNM; Manzano, Priest Canyon, 6000'] SICKLE-POD HOG-POTATO. Low areas and roadsides in foothill scrub.
- « *Lathyrus arizonicus* Britt. » ARIZONA SWEETPEA; reported by M&H 1975 – needs specimen verification
- Lathyrus eucosmus* Butters & St. John [*Sivinski 4949* UNM; Manzanita Mts., Sabino Canyon, 2200 m] BUSH SWEETPEA. Sandy soil in piñon-juniper woodland. M&H 1975, Ivey 2003, Jercinovic 2003.
- Lathyrus leucanthus* Rydb. [*Makepeace 48* UNM; Manzano, Red Canyon] ASPEN SWEETPEA. Meadows and aspen glades in mixed conifer and subalpine forests. W&S 1915, M&H 1975, Ivey 2003, Jercinovic 2003, Johnson & Allred 2003. (*Lathyrus lanzwertii* var. *laetivirens* and var. *leucanthus* of some NM authors)
- Lotus wrightii* (A. Gray) Greene [*Sivinski 5018* UNM; Sandia, South Peak Trail] WRIGHT'S TREFOIL. Piñon-juniper woodland and ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003.
- Lupinus argenteus* Pursh var. *argenteus* [*Sivinski 5200* UNM; Sandia, Cañon Cienega, 2200 m] SILVERY LUPINE. Ponderosa pine and mixed conifer forests. M&H 1975
- Lupinus argenteus* var. *argophyllus* (A. Gray) S. Wats. [*Martin 4927* UNM; Sandia, Las Huertas] SILVERY LUPINE. Piñon-juniper woodland and ponderosa pine forest. M&H 1975, Ivey 2003. (*Lupinus caudatus* subsp. *argophyllus*)
- « *Lupinus argenteus* var. *palmeri* (S. Wats.) Barneby » PALMER'S SILVERY LUPINE; reported by M&H 1975 as *Lupinus palmeri* – needs specimen verification.

- Lupinus kingii* S. Wats. [*Clark s.n.* UNM; Manzano, N of Chilili] KING'S LUPINE.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Jercinovic 2003.
- Lupinus sericeus* Pursh [*Ellis 89* UNM; Sandia, Via Seca] SILKY LUPINE.
Ponderosa pine and mixed conifer forests. M&H 1975. (*Lupinus bakeri*)
- **Medicago lupulina* L. [*Lauber 139* UNM; Sandia, Tree Spring] BLACK MEDICK.
Roadsides and other disturbed places in foothill scrub up to mixed conifer forest.
Bedker 1966, M&H 1975, Jercinovic 2003.
- **Medicago sativa* L. [*Bronson 2* UNM; Manzanita Mts., Oak Flats] ALFALFA.
Roadsides and other disturbed places in foothill scrub up to mixed conifer forest.
Bedker 1966, M&H 1975, Jercinovic 2003.
- * « *Melilotus indicus* (L.) All. » INDIAN SWEET-CLOVER; reported by M&H (1975) – needs specimen verification.
- **Melilotus albus* Medicus [*Sivinski 5054* UNM; Sandia, foothill near Placitas] WHITE SWEET-CLOVER.
Roadsides and disturbed valley bottoms in foothill scrub up to mixed conifer forest. Jercinovic 2003.
- **Melilotus officinalis* (L.) Lam. [*Bedker 756* UNM; Manzano, Capilla Peak] YELLOW SWEET-CLOVER.
Roadsides and disturbed valley bottoms from foothill scrub up to subalpine forest.
Bedker 1966, M&H 1975, Jercinovic 2003.
- Oxytropis lambertii* Pursh var. *bigelovii* A. Gray [*Sivinski 3172* UNM; Sandia Crest] BIGELOW'S CRAZYWEED.
Foothill scrub up to rock outcrops in subalpine forest.
Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Oxytropis sericea* Nutt. [*Bedker 923* UNM; Manzano Mts.] WHITE CRAZYWEED.
Piñon-juniper woodland. Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Phaseolus angustissimus* A. Gray [*Jercinovic 319* UNM; Manzano, Apache Canyon, 7120'] NARROW-LEAF BEAN.
Coarse soils in piñon-juniper woodland and ponderosa pine forest.
- Pomaria jamesii* (Torr. & Gray) Walpers [*Jercinovic 106* UNM; Manzano, Priest Canyon] JAMES' HOG-POTATO.
Foothill scrub and piñon-juniper woodland. W&S 1915, M&H 1975, Jercinovic 2003.
(*Hoffmannseggia jamesii*)
- Prosopis glandulosa* Torr. [*Sivinski 5325* UNM; Tijeras Canyon near Tijeras] HONEY MESQUITE.
Bottoms of west-facing canyons in foothill scrub and piñon-juniper woodland.
« *Psoralidium lanceolatum* (Pursh) Rydb. » WILD SCURF-PEA; reported by M&H (1975) – needs specimen verification.
- Psoralidium tenuiflorum* (Pursh) Rydb. [*Bedker 395* UNM; Manzano, Red Canyon] SLENDER SCURF-PEA.
Foothill scrub up to ponderosa pine forest. W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.
(*Psoralea tenuiflora*)
- Robinia neomexicana* A. Gray [*Hutchins 6268* UNM; Sandia, E-slope] NEW MEXICO LOCUST.
Ponderosa pine and mixed conifer forest.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Sophora nuttalliana* B.L. Turner [*Jercinovic 447* UNM; Manzano, roadside between Tajique and Torreon]
SILKY SOPHORA. Piñon-juniper woodland. Jercinovic 2003.
- « *Thermopsis divaricarpa* A. Nels. » GOLDEN-PEA; reported by Bedker (1966) and M&H (1975) as *Thermopsis pinetorum* – needs specimen verification.
- « *Thermopsis gracilis* T.J. Howell var. *ovata* (B.L. Robins. Ex Piper) M. Mendenhall » SLENDER GOLDENBANNER; reported by Ivey (2003) and Jercinovic (2003). This taxon is endemic to the Pacific Northwest and possibly misapplied to the *Thermopsis montana* of our flora.
- Thermopsis montana* Nutt. [*Bedker 1021* UNM; Manzano, Nuevo Canyon] GOLDEN-PEA.
Aspen glades in mixed conifer and subalpine forests. Bedker 1966; M&H 1975.
(*Thermopsis rhombifolia* var. *montana*)
- Trifolium attenuatum* Greene [*Hutchins 6264* UNM; Sandia Crest] ROCKY MOUNTAIN CLOVER.
Rocky meadows and cliffs in subalpine forest.
- « *Trifolium dasyphyllum* Torr. & Gray » UINTA CLOVER; reported by M&H (1975) and Ivey (2003) – needs specimen verification. Possibly misidentified *T. attenuatum*.
- « *Trifolium gymnocarpon* Nutt. » HOLLY-LEAF CLOVER; reported by M&H (1975) – needs specimen verification.
- **Trifolium hybridum* L. [*Sivinski & Carter 4959* UNM; Sandia, Cienega Canyon] ALSIKE CLOVER.
Roadsides and canyon bottoms in ponderosa pine and mixed conifer forests.
- **Trifolium pratense* L. [*Sivinski 3199* UNM; Sandia, Nine-mile picnic area] RED CLOVER.
Roadsides and canyon bottoms in ponderosa pine and mixed conifer forests. Jercinovic 2003.
- **Trifolium repens* L. [*Jercinovic 118* UNM; Manzano, Apache Canyon] WHITE CLOVER.
Roadsides and canyon bottoms in piñon-juniper woodland up to mixed conifer forest. Jercinovic 2003.

- Trifolium wormskjoldii* Lehm. [*Jercinovic 111* UNM; Manzano, Tajiue Creek] CUSP CLOVER.
Riparian near streams and springs in ponderosa pine and mixed conifer forests.
M&H 1975, Jercinovic 2003. (*Trifolium fendleri*)
- Vicia americana* Muhl. ex Willd. [*Sivinski 3163* UNM; Sandia Crest] AMERICAN VETCH.
Ponderosa pine forest up to subalpine forest.
Bedker 1966, M&H 1975, Allred & Johnson 2003, Ivey 2003, Jercinovic 2003. (*V. americana* var. *minor*)
- Vicia ludoviciana* Nutt. [*Hutchins 2833* UNM; Sandia, W-slope] LOUISIANA VETCH.
Foothill scrub and piñon-juniper woodland.
M&H 1975, Allred & Johnson 2003, Jercinovic 2003. (*Vicia exigua*)
- « *Vicia pulchella* Kunth » SWEET VETCH; reported by M&H (1975) – needs specimen verification.

FAGACEAE Beech or Oak Family

- Quercus gambelii* Nutt. [*O'Neill 37* UNM; Sandia, Sandia Park] GAMBEL OAK.
Piñon-juniper woodland up to mixed conifer forest. W&S 1915, Bedker 1966, M&H 1975, Ivey 2003.
- Quercus grisea* Liebm. [*Bedker 354* UNM; Manzano, Cañon Colorado, 7200'] GRAY OAK.
Foothill scrub and piñon-juniper woodland. W&S 1915, Bedker 1966, M&H 1975, Ivey 2003.
- Quercus pungens* Liebm.; SANDPAPER OAK. W&S 1915. Tentatively accepted. W&S (1915) express some doubt as to the distinction of this species from *Quercus turbinella*. The Sandia Mountains collection seen by W&S (1915) should be determined and checked for possible confusion with *Q. turbinella*.
- Quercus turbinella* Greene [*Baca 20* UNM; Sandia, Juan Tabo Canyon] SHRUB LIVE OAK.
Foothill scrub and piñon-juniper woodland. M&H 1975, Ivey 2003.
- Quercus xundulata* Torr. pro. sp. [*Bedker 967* UNM; Manzano, Comanche Canyon] WAVY-LEAF OAK.
Foothill scrub up to ponderosa pine forest. WS 1915, Bedker 1966, M&H 1975, Ivey 2003.
This hybrid between *Q. gambelii* and *Q. turbinella* or *Q. grisea* is a dominant form of shrubby oak in many relatively dry habitats.

FUMARIACEAE Fumitory Family APG-2003 Papaveraceae

- Corydalis aurea* Willd. [*McIntosh 1134* UNM; Sandia Mts.] GOLDEN-SMOKE.
Foothill scrub up to ponderosa pine forest. W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.

GARRYACEAE Silk-Tassel Family

- Garrya wrightii* Torr. [*Sivinski 4696* UNM; Manzano, Trigo Canyon] WRIGHT'S SILKTASSEL.
Foothill scrub and piñon-juniper woodland in Manzano Mountains portion of the range.

GENTIANACEAE Gentian Family

- Centaurium calycosum* (Buckl.) Fern. [*Baca 53* UNM; Sandia, old fish hatchery, Tunnel Spring]
BUCKLEY'S CENTAURY. Spring seeps and valley bottoms in foothill scrub and piñon-juniper woodland.
M&H 1975, Ivey 2003.
- Frasera speciosa* Dougl. ex Griseb. [*Tafuya s.n.* UNM; Sandia, Cienega Trail] ELK WEED.
Open areas in mixed conifer and subalpine forests. Bedker 1966, M&H 1975, Ivey 2003; Jercinovic 2003.
(*Swertia speciosa*)
- Gentiana affinis* Griseb. [*Jercinovic 127* UNM; Manzano, Capilla Peak] PLEATED GENTIAN.
Ponderosa pine and mixed conifer forests.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. (*Gentiana interrupta*)
- Gentiana bigelovii* A. Gray [SYNTYPE: *Bigelow s.n.* GH; Sandia Mts.] BIGELOW'S GENTIAN.
Mixed conifer forest. M&H 1975.
- Gentianella amarella* (L.) Boemer subsp. *acuta* (Michx.) J. Gillett [*Hutchins 2384* UNM; Sandia Crest]
DWARF GENTIAN. Mixed conifer and subalpine forests. M&H 1975. (*Gentiana strictiflora*)
- Gentianella amarella* subsp. *heterosepala* (Engelm.) J. Gillett [*Tafuya s.n.* UNM; Sandia, near crest] DWARF GENTIAN.
Ponderosa pine forest up to subalpine forest.
Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. (*Gentiana heterosepala*)

GERANIACEAE Geranium Family

- **Erodium cicutarium* (L.) L'Her. ex Ait. [*Sivinski 4763* UNM; Sandia, Carnuel in Tijeras Canyon] FILAREE.
Roadsides and other disturbed areas in foothill scrub and piñon-juniper woodland.
Bedker 1966, M&H 1975, Jercinovic 2003.

- Geranium caespitosum* E. James [*Sivinski 5040* UNM; South Sandia Peak] TUFTED GERANIUM.
Ponderosa pine and mixed conifer forest. Bedker 1966, M&H 1975, Aedo 2001, Jercinovic 2003.
- Geranium richardsonii* Fisch. & Trautv. [*Castetter 6936* UNM; Sandia Crest] RICHARDSON'S GERANIUM.
Mixed conifer and subalpine forest. Bedker 1966, M&H 1975, Aedo 2001, Jercinovic 2003.

GROSSULARIACEAE Gooseberry Family

- Ribes americanum* P. Miller [*Jercinovic 205* UNM; Manzano, Tajique Creek, 7440'] WILD BLACK CURRANT.
Canyon bottoms and roadsides, P-J woodland to ponderosa pine forest. Jercinovic 2003.
- Ribes aureum* Pursh [*Jercinovic 201* UNM; Manzano, Tajique Creek, 6,980'] GOLDEN CURRENT.
Riparian in piñon-juniper woodland and ponderosa pine forest. Jercinovic 2003.
- Ribes cereum* Dougl. [*Van Arsdell 6-13-1* UNM; Manzano, 4th of July Canyon] WHITE CURRENT.
Piñon-juniper woodland and ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003.
- « *Ribes inerme* Rydb. » WHITE-STEM GOOSEBERRY; reported by M&H (1975) – needs specimen verification.
- Ribes leptanthum* A. Gray [*Sivinski 4770* UNM; Sandia, Cañon Embudito] TRUMPET GOOSEBERRY.
Riparian and canyon sides from foothill scrub to ponderosa pine forest.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Ribes montigenum* McClatchie; PRICKLY GOOSEBERRY. W&S 1915, M&H 1975. Tentatively accepted.
W&S (1915) specimen apparent, but not located.
- « *Ribes pinetorum* Greene » ORANGE GOOSEBERRY; reported by M&H (1975) – needs specimen verification.
- Ribes wolfii* Rothr. [*Sivinski 3194* UNM; Sandia Crest] WOLF'S CURRENT.
Mixed conifer and subalpine forests. W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.

HYDRANGEACEAE Hydrangea Family

- Fendlera rupicola* A. Gray [*Tafuya 1* UNM; Sandia, La Luz Trail] CLIFF FENDLER-BUSH.
Cliffs and rocky slopes in piñon-juniper woodland and ponderosa pine forest.
W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.
- Jamesia americana* Torr. & Gray [*Castetter 10214* UNM; Sandia, E-slope] CLIFFBUSH.
Rock outcrops and canyon sides in ponderosa pine and mixed conifer forests.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Philadelphus microphyllus* A. Gray [*Sivinski 3180* UNM; Sandia Crest] LITTLE-LEAF MOCK-ORANGE.
Rock outcrops and steep slopes from ponderosa pine forest up to subalpine forest.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.

HYDROPHYLLACEAE Waterleaf Family APG-2003 Boraginaceae

- Hydrophyllum fendleri* (A. Gray) Heller [*Sivinski 3192* UNM; Sandia Crest] FENDLER'S WATERLEAF.
Mixed conifer and subalpine forests. M&H 1975, Ivey 2003, Jercinovic 2003.
- Nama dichotomum* (Ruiz & Pavón) Choisy [*Sivinski & Hartman 5485* UNM, Sandia Crest] WISHBONE FIDDLELEAF.
Usually in foothill scrub and piñon-juniper woodland, but occasional on limestone outcrops in subalpine forest. Jercinovic 2003.
- Nama hispidum* A. Gray; PURPLE MAT. W&S 1915, M&H 1975, Jercinovic 2003. Tentatively accepted.
W&S (1915) specimen apparent, but not located.
- Phacelia alba* Rydb. [*Castetter s.n.* UNM; Sandia, rim road] WHITE SCORPION-WEED.
Mixed conifer and subalpine forests. M&H 1975.
- Phacelia caerulea* Greene [*Sivinski 4765* UNM; Sandia, Cañon Embudito] SKY-BLUE SCORPION-WEED.
Sandy arroyos in foothill scrub and piñon-juniper woodland.
- « *Phacelia crenulata* Torr. ex S. Wats. » NOTCHED SCORPION-WEED; reported by M&H (1975) as *Phacelia corrugata* – needs specimen verification.
- Phacelia heterophylla* Pursh [*Bedker 447* UNM; Manzano Mts.] TWO-LEAF SCORPION-WEED.
Ponderosa pine and mixed conifer forests. M&H 1975, Jercinovic 2003.
- « *Phacelia integrifolia* Torr. » GYPSUM SCORPION-WEED; reported by Jercinovic (2003) – needs specimen verification.
- « *Phacelia ivesiana* Torr. » IVES SCORPION-WEED; reported by M&H (1975) – needs specimen verification.
- Phacelia neomexicana* Thurb. ex Torr. [*Sivinski & Jercinovic 5401* UNM; Manzano, Cerro Blanco Trail, 2400 m]
NEW MEXICO SCORPION-WEED. Ponderosa pine and mixed conifer forests. Bedker 1966.
- Phacelia popei* Torr. & Gray [*Fletcher 3832* UNM; Sandia, NW of ski lodge, 9000'] POPE'S SCORPION-WEED.
Known in our flora from this single collection, which is an unusual location for this grassland and desert species.
- « *Phacelia rupestris* Greene » ROCK SCORPION-WEED; reported by M&H (1975) as *Phacelia congesta* var. *rupestris* – needs specimen verification.

JUGLANDACEAE Walnut Family

« *Juglans microcarpa* Berl. » LITTLE WALNUT; reported by M&H (1975) – needs specimen verification.

KRAMERIACEAE Ratany Family

Krameria lanceolata Torr. [*Sivinski & Jercinovic 5683* UNM; Manzano, Priest Canyon] TRAILING RATANY.
Foothill scrub and piñon-juniper woodland in Manzano Mts. portion of our range.

LAMIACEAE Mint Family

Agastache pallidiflora (Heller) Rydb. subsp. *neomexicana* (Briq.) Lint & Epling [*Ellis 291* MO, NMC, NY; Sandia Mts.] NEW MEXICO GIANT-HYSSOP. Rock outcrops from ponderosa pine to subalpine forest. W&S 1915, M&H 1975, Sanders 1986, Jercinovic 2003.

« *Agastache pallidiflora* subsp. *pallidiflora* » MOUNTAIN GIANT-HYSSOP; reported by M&H (1975) and Ivey (2003) – needs specimen verification.

Dracocephalum parviflorum Nutt. [*Sivinski 3198* UNM; Sandia, near Nine-mile picnic area] DRAGONHEAD.
Ponderosa pine and mixed conifer forest. Bedker 1966, M&H 1975, Jercinovic 2003. (*Moldavica parviflora*)

Hedeoma drummondii Benth. [*Sivinski 4869* UNM; Manzanita, Zamora] DRUMMOND'S FALSE-PENNYROYAL.
Rocky soils in piñon-juniper woodland and ponderosa pine forest. W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.

Hedeoma nana (Torr.) Briq. [*Sivinski 4381* UNM; Sandia, NW-side] DWARF FALSE-PENNYROYAL.
Arroyos and rocky slopes in foothill scrub and piñon-juniper woodland.

Hedeoma oblongifolia (A. Gray) Heller [*Wagner 1330* UNM; Sandia, Piedra Lisa Trail] THYME-LEAF FALSE-PENNYROYAL. Rocky slopes in piñon-juniper woodland.

**Leonurus cardiaca* L. [*Bedker 1328* UNM; Manzano, Cañon de la Verada, 8000'] MOTHERWORT.
Meadows and canyon bottoms in ponderosa pine and mixed conifer forests. Bedker 1966, Ivey 2003, Jercinovic 2003.

Lycopus americanus Muhl. ex W. Bart. [*Baca 56* UNM; Sandia, old fish hatchery near Placitas] BUGLEWEED.
Springs and streamsides in piñon-juniper and ponderosa pine forest. M&H 1975.

« *Lycopus asper* Greene » ROUGH WATER-HOREHOUND; reported by M&H (1975) as *Lycopus lucidus* – needs specimen verification.

**Marrubium vulgare* L. [*Sivinski 4873* UNM; Manzanita, Zamora] HOREHOUND.
Roadsides and other disturbed places in foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003.

Mentha arvensis L. [*Tierney 5* UNM; Sandia, Ojo de San Antonio] FIELD MINT.
Springs and streamsides in piñon-juniper woodland and ponderosa pine forest. Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.

**Mentha spicata* L. [*Jercinovic 325* UNM; Manzano, 4th of July Canyon, 7780'] SPEARMINT.
Springs and streamsides in piñon-juniper woodland up to mixed conifer forest. Jercinovic 2003.

Monarda fistulosa L. var. *menthifolia* (Graham) Fern. [*Sivinski 4911* UNM; Manzano, Cañon Nuevo, 2200 m] BERGAMOT. Ponderosa pine and mixed conifer forests. Bedker 1966, M&H 1975, Jercinovic 2003. (*Monarda mentaefolia*)

Monarda pectinata Nutt. [*Clark 10248* UNM; Manzano, woods N of Chilili] PAGODA PLANT.
Sandy soils in piñon-juniper woodland and ponderosa pine forest. M&H 1975, Jercinovic 2003.

* « *Nepeta cataria* L. » CATNIP; reported by Jercinovic (2003) – needs specimen verification.

Prunella vulgaris L. var. *lanceolata* (W. Bart.) Hulten [*Sivinski 4921* UNM; Manzano, Cañon Nuevo, 2450 m] SELFHEAL. Moist meadows and streamsides in mixed conifer and subalpine forests. Bedker 1966, M&H 1975, Jercinovic 2003.

Salvia reflexa Hornem. [*Tafuya s.n.* UNM; Manzanita, Chamiso Canyon] LANCE-LEAF SAGE.
Arroyos and disturbed soils from piñon-juniper woodland up to mixed conifer forest. Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.

Salvia subincisa Benth. [*Jercinovic 222* UNM; Manzano, Apache Canyon, 7200'] SAW-TOOTH SAGE.
Foothill scrub and piñon-juniper woodland in Manzano Mountains. M&H 1975, Jercinovic 2003.

Satureja vulgaris (L.) Fritsch [*Sivinski 4920* UNM; Manzano, Cañon Nuevo, 2450 m] WILD-BASIL.
Canyon bottoms in ponderosa pine and mixed conifer forests. Bedker 1966, Ivey 2003, Jercinovic 2003. (*Clinopodium vulgare*)

« *Stachys pilosa* Nutt. » HAIRY HEDGE-NETTLE; reported by M&H (1975) as *Stachys palustris* subsp. *pilosa* – needs specimen verification.

Teucrium laciniatum Torr. [*Sivinski & Jercinovic 5678* UNM; Manzano, Priest Canyon] LACY GERMANDER.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Jercinovic 2003.

LINACEAE Flax Family

Linum aristatum Engelm. [*Tafoya s.n.* UNM; Sandia, Juan Tabo] BRISTLE FLAX.

Coarse soils in foothill scrub and piñon-juniper woodland. Bedker 1966.

Linum lewisii Pursh [*Sivinski 4864* UNM; Manzanita, Zamora] PRAIRIE FLAX.

Piñon-juniper woodland and ponderosa pine forest. Often planted on roadsides.

M&H 1975, Jercinovic 2003.

Linum puberulum (Engelm.) Heller [*Sivinski 5195* UNM; Sandia, north of Piedra Lisa Spring, 1900 m]

PLAINS FLAX. Foothill scrub and piñon-juniper woodland. M&H 1975.

« *Linum vernale* Woot. » CHIHUAHUAN FLAX; reported by Jercinovic (2003) – needs specimen verification.

LOASACEAE Loasa or Blazing-star Family

Mentzelia albicaulis Dougl. ex Hook. [*Sivinski 4675* UNM; Sandia, Carnuel] WHITE-STEM BLAZINGSTAR.

Coarse soils in arroyos and on road cuts in foothill scrub and piñon-juniper woodland.

M&H 1975, Ivey 2003.

« *Mentzelia asperula* Woot. & Standl. » ORGAN MOUNTAIN BLAZINGSTAR; reported by M&H (1975) – needs specimen verification.

Mentzelia multiflora (Nutt.) A. Gray [*Gordon s.n.* UNM; Sandia, Juan Tabo Picnic Area] ADONIS BLAZINGSTAR.

Arroyos and roadsides from foothill scrub up to ponderosa pine forest.

Bedker 1966, M&H 1975, Jercinovic 2003. (*Mentzelia pumila* var. *multiflora*)

Mentzelia nuda (Pursh) Torr. & Gray var. *stricta* (Osterh.) Harrington [*Bedker 460* UNM; Manzano, Torreon Canyon, 7000'] STRAIGHT BLAZINGSTAR. Loose soils on slopes and road cuts in piñon-juniper woodland and ponderosa pine forest. The small flowers and bushy form in this range are atypical. Jercinovic 2003.

« *Mentzelia pumila* Nutt. ex Torr. & Gray » GOLDEN BLAZINGSTAR; reported by Bedker (1966) and M&H (1975), but not known to occur in NM (Holmgren *et al.* 2005). Probably misidentified *M. multiflora*.

« *Mentzelia rusbyi* Woot. » RUSBY'S BLAZINGSTAR; reported by M&H (1975) – needs specimen verification.

LYTHRACEAE Loosestrife Family

**Lythrum salicaria* L. [*Sivinski 5749* UNM; Sandia, Hwy 14 just N of Tijeras] PURPLE LOOSESTRIFE.

Wet soils at spring seeps. Efforts should be made to eradicate this beautiful, but noxious, weed from our flora.

MALVACEAE Mallow Family

« *Abutilon theophrastii* Medik. » VELVETLEAF; reported by M&H (1975) – needs specimen verification.

Anoda cristata (L.) Schlecht. [*Sivinski & Jercinovic 5650* UNM; Manzano, Priest Canyon] SPURRED ANODA.

Valley bottoms and road ditches in foothill scrub and piñon-juniper woodland.

Illiamna grandiflora (Rydb.) Wiggins [*Hutchins 2390* UNM; Sandia, east side] WILD HOLLYHOCK.

Springs and wet meadows in mixed conifer and spruce-fir forests. W&S 1915, M&H 1975, Ivey 2003.

**Malva neglecta* Wallr. [*Bedker 405* UNM; Manzano Mts.] DWARF CHEESEWEED.

Roadsides and other disturbed ground from foothill scrub to mixed conifer forest.

Bedker 1966, M&H 1975, Jercinovic 2003.

Sidalcea candida A. Gray [*Castetter 7446* UNM; Sandia Mts.] WHITE CHECKER-MALLOW.

Springs and streamsides in ponderosa pine and mixed conifer forests.

W&S 1915, M&H 1975, Jercinovic 2003.

Sidalcea neomexicana A. Gray [*Sivinski & Carter 4958* UNM; Sandia, Cienega Canyon]

NEW MEXICO CHECKER-MALLOW. Springs and streamsides in piñon-juniper and ponderosa pine forest.

Bedker 1966, M&H 1975.

Sphaeralcea angustifolia (Cav.) G. Don [*Sivinski 3148* UNM; Sandia, Cañon de las Huertas]

COPPER GLOBE-MALLOW. Arroyos and roadsides in foothill scrub and piñon-juniper woodland.

M&H 1975, Jercinovic 2003.

Sphaeralcea coccinea (Nutt.) Rydb. subsp. *coccinea* [*Sivinski 5194* UNM; Sandia, north of Piedra Lisa Spring,

1,900 m] SCARLET GLOBE-MALLOW. Piñon-juniper woodland. Bedker 1966, M&H 1975, Jercinovic 2003.

Sphaeralcea coccinea subsp. *elata* (E.G. Baker) Kearney [*Bedker 1499* UNM; Manzano, Priest Canyon]

SCARLET GLOBE-MALLOW. Foothill scrub and piñon-juniper woodland. M&H 1975.

- Sphaeralcea fendleri* A. Gray subsp. *elongata* Kearney [*Ellis 41* MO, NY; Sandia Mts.] FENDLER'S GLOBE-MALLOW.
Piñon-juniper woodland and ponderosa pine forest. Kearney 1942.
- Sphaeralcea fendleri* subsp. *fendleri* [*Sivinski 5057* UNM; Sandia, Las Huertas Canyon] FENDLER'S GLOBE-MALLOW.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975.
- Sphaeralcea grossulariaefolia* (Hook. & Arn.) Rydb. subsp. *pedata* (Torr. ex Gray) Kearney [*Martin 3048* UNM;
Manzano, ½ mile N of Manzano] GOOSEBERRY GLOBE-MALLOW. Piñon-juniper woodland. M&H 1975.
- Sphaeralcea incana* Torr. ex Gray [*Martin 2739a* UNM; Manzano, west of Mountainair] SOFT GLOBEMALLOW.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975.
- Sphaeralcea leptophylla* (A. Gray) Rydb. [*Sivinski & Jercinovic 5676* UNM; Manzano, Priest Canyon]
SCALY GLOBE-MALLOW. Foothill scrub in southern Manzano Mountain portion of our flora.
M&H 1975, Jercinovic 2003.

MOLLUGINACEAE Carpetweed Family

- « *Mollugo verticillata* L. » GREEN CARPETWEED; reported by M&H (1975) – needs specimen verification.
- **Mollugo cervina* L. [*Kimmons 5* UNM; Manzanita, Cedro Canyon] THREAD-STEM CARPETWEED.
Arroyos and other disturbed ground in foothill scrub and piñon-juniper woodland.

NYCTAGINACEAE Four-o'clock Family

- « *Abronia fragrans* Nutt. ex Hook. » FRAGRANT SAND-VERBENA; reported by M&H (1975) and Jercinovic (2003) – needs specimen verification.
- Acleisanthes lanceolatus* (Woot.) R.A. Levin [*Sivinski 5008* UNM; Sandia, gypsum near Placitas]
LANCE-LEAF MOONPOD. Gypsum soils in piñon-juniper woodland at north foothill of Sandia Mountains.
(*Selinocarpus lanceolatus*)
- « *Allionia choisyi* Standl. » ANNUAL WINDMILLS; reported by M&H (1975) – needs specimen verification.
- Allionia incarnata* L. [*Sivinski & Jercinovic 5668* UNM; Manzano, Priest Canyon] TRAILING WINDMILLS.
Foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003.
- Boerhavia spicata* Choisy [*Fletcher 4972* UNM; Sandia, Carnuel Canyon, 6200'] CREEPING SPIDERLING.
Foothill scrub. Ivey 2003.
- Mirabilis albida* (Walter) Heimerl [*McIntosh 969* UNM; Sandia, E-slope, 8500'] MEADOW FOUR-O'CLOCK.
Ponderosa pine and mixed conifer forests. W&S 1915, M&H 1975, Ivey 2003.
(*Mirabilis comatus*, *Mirabilis oblongifolia*)
- « *Mirabilis glabra* (S. Wats.) Standl. » SMOOTH FOUR-O'CLOCK; reported by M&H (1975) and Jercinovic (2003) – needs specimen verification.
- Mirabilis linearis* (Pursh) Heimerl var. *decipiens* (Standl.) S.L. Welsh [*Sivinski 5032* UNM; South Sandia Peak, 2900 m] RIBBON FOUR-O'CLOCK. Ponderosa pine and mixed conifer forests. (*Oxybaphus linearis* var. *decipiens*)
- Mirabilis linearis* var. *linearis* [*Sivinski 4931* UNM; Manzano, Cañon Nuevo] RIBBON FOUR-O'CLOCK.
Piñon-juniper woodland up to mixed conifer forest. Bedker 1966, M&H 1975, Jercinovic 2003.
(*Oxybaphus decumbens*, *Oxybaphus diffusus*, *Oxybaphus linearis*)
- Mirabilis multiflora* (Torr.) A. Gray [*Bedker 1503* UNM; Manzano, Priest Canyon] COLORADO FOUR-O'CLOCK.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Jercinovic 2003.
- Mirabilis nyctaginea* (Michx.) MacMillan. [*Anon s.n.* UNM; Sandia, below Balsam Glade]
HEART-LEAF FOUR-O'CLOCK. Ponderosa pine and mixed conifer forests.
M&H 1975, Ivey 2003, Jercinovic 2003.
- Mirabilis oxybaphoides* (A. Gray) A. Gray [*Sivinski 5026* UNM; Sandia, South Peak Trail]
SPREADING FOUR-O'CLOCK. Piñon-juniper woodland up to subalpine forest.
Bedker 1966, M&H 1975, Jercinovic 2003.

OLEACEAE Olive or Ash Family

- Forestiera pubescens* Nutt. [*Sivinski 4819* UNM; Sandia, Cañon de la Cueva] NEW MEXICO OLIVE.
Canyon bottoms and dry arroyos in piñon-juniper woodland and ponderosa pine forest.
M&H 1975. (*Forestiera neomexicana*)
- Menodora scabra* A. Gray [*Tafuya 45* UNM; Manzano, 6700'] ROUGH MENODORA.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.

ONAGRACEAE Evening Primrose Family

- Calylophus hartwegii* (Benth.) Raven subsp. *fendleri* (A. Gray) Towner & Raven [*Sivinski 4865* UNM; Manzanita, near Zamora] FENDLER'S SUNDROPS. Piñon-juniper woodland. (*Oenothera hartwegii* var. *fendleri*)

- Calylophus hartwegii* subsp. *filifolius* (Eastw.) Towner & Raven [*Sivinski 4786* UNM; Sandia, gypsum near Placitas] THREADLEAF SUNDROPS. Gypsum soils in piñon-juniper woodland. Jercinovic 2003. (*Oenothera filifolia*)
- Calylophus lavandulifolius* (Torr. & Gray) Raven [*Sivinski 4380* UNM; Sandia, northwest foothill] LAVENDER-LEAF SUNDROPS. Foothill scrub and piñon-juniper woodland. M&H 1975. (*Oenothera lavandulaefolia*)
- Calylophus serrulatus* (Nutt.) Raven [*Sivinski 4863* UNM; Sandia, Carnuel] YELLOW SUNDROPS. Foothill scrub and piñon-juniper woodland. Bedker 1966.
- Chamerion angustifolium* (L.) Holub subsp. *circumvagum* Mosquin [*Gordon & Norris 138* UNM; Sandia Park] FIREWEED. Mixed conifer and spruce-fir forest. Bedker 1966, M&H 1975, Jercinovic 2003. (*Epilobium angustifolium*)
- Circaea alpina* L. [*Jercinovic 114* UNM; Manzano, Red Canyon] ALPINE ENCHANTER'S NIGHTSHADE. Canyon bottoms in mixed conifer forest. M&H 1975, Ivey 2003, Jercinovic 2003. This population has characteristics that are intermediate between var. *alpina* and var. *pacifica* (Ascher. & Magnus) Raven.
- Epilobium brachycarpum* K. Presl. [*Sivinski 5063* UNM; Sandia, Tejano Canyon] ANNUAL WILLOW-HERB. Mixed conifer forest. M&H 1975, Jercinovic 2003. (*Epilobium paniculatum*)
- Epilobium ciliatum* Raf. [*Wright 56* UNM; Sandia, Cienega Canyon] FRINGED WILLOW-HERB. Riparian from foothill scrub up to mixed conifer forest. Bedker 1966, M&H 1975, Jercinovic 2003. (*Epilobium adenocaulon*)
- Gaura coccinea* Nutt. ex Pursh [*Tafuya 15* UNM; Sandia, La Luz Trail] SCARLET BEE-BLOSSOM. Foothill scrub up to ponderosa pine forest. M&H 1975, Jercinovic 2003.
- Gaura hexandra* Ortega subsp. *gracilis* (Woot. & Standl.) Raven & Gregory [*Martin 3733* UNM; Manzano, 6800'] HARLEQUIN BUSH. Piñon-juniper woodland.
- Gaura mollis* James [*Sivinski 4900* UNM; Sandia, near Placitas] VELVET-WEED. Roadsides and disturbed ground from foothill scrub up to ponderosa pine forest. M&H 1975, Jercinovic 2003. (*Gaura parviflora*)
- Gaura suffulta* Engelm. Ex Gray subsp. *nealleyi* (Coulter) Raven & Gregory [*Jercinovic 318* UNM; Manzano, Tajique Canyon, 6,970'] NEALLEY'S BEE-BLOSSOM. Canyon and valley bottoms in piñon-juniper woodland and ponderosa pine forest. Jercinovic 2003.
- « *Gaura neomexicana* Woot. » NEW MEXICO BEE-BLOSSOM; reported by M&H (1975) – needs specimen verification.
- Oenothera albicaulis* Pursh [*Sivinski 4773* UNM; Sandia, Cañon Embudito] WHITE-STEM EVENING-PRIMROSE. Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Jercinovic 2003.
- « *Oenothera caespitosa* Nutt. ex Fraser subsp. *caespitosa* » TUFTED EVENING-PRIMROSE; reported by M&H (1975) as *O. caespitosa* var. *montana* – needs specimen verification.
- Oenothera caespitosa* subsp. *marginata* (Nutt. ex Hook. & Arn.) Munz [*Sivinski 4861* UNM; Sandia, near Placitas] TUFTED EVENING-PRIMROSE. Road cuts and arroyos in piñon-juniper woodland and ponderosa pine forest. Jercinovic 2003.
- Oenothera coronopifolia* Torr. & Gray [*Bedker 1701* UNM; Manzano, Cañon Colorado] HAIRY-THROAT EVENING-PRIMROSE. Foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003.
- Oenothera elata* Kunth subsp. *hirsutissima* (A. Gray ex S. Wats.) W. Dietr. [*Bedker 811* UNM; Manzano, 4th of July Canyon] HOOKER'S EVENING-PRIMROSE. Riparian and canyon bottoms in piñon-juniper woodland and ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003. (*Oenothera hookeri* var. *hirsutissima*)
- « *Oenothera primiveris* A. Gray » EARLY EVENING-PRIMROSE; reported by M&H (1975) – needs specimen verification.
- Oenothera pubescens* Willd. & Spreng. [*Hardy 3308* UNM; Manzano, Red Canyon] SOUTH AMERICAN EVENING-PRIMROSE. Ponderosa pine forest.
- Oenothera villosa* Thunb. subsp. *strigosa* (Rydb.) W. Dietr. & Raven [*Sivinski 4998* UNM; Sandia, Cañon Cienega] HAIRY EVENING-PRIMROSE. Canyon bottoms in ponderosa pine and mixed conifer forests. Bedker 1966, M&H 1975. (*Oenothera procera*)
- Stenosiphon linifolius* (Nutt. ex James) Heynhold [*Hutchins 8610* UNM; Manzanita, Sedillo] FALSE-GAURA. Disturbed roadsides in piñon-juniper woodland. Ivey 2003.

OROBANCHACEAE Broomrape Family

- Conopholis alpina* Liebm. var. *mexicana* (A. Gray ex S. Wats.) Haynes [*Tafuya 29* UNM; Sandia, south end] MEXICAN INDIAN-ROOT. Parasite on *Quercus* roots in piñon-juniper woodland up to mixed conifer forest. Bedker, M&H 1975, Ivey 2003, Jercinovic 2003. (*Conopholis mexicana*)

- Orobanche fasciculata* Nutt. [Clark s.n. UNM; Sandia, W-slope] CLUSTERED BROOM-RAPE.
Foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003.
- Orobanche ludoviciana* Nutt. subsp. *ludoviciana* [Fletcher 4095 UNM; Sandia, S of South Sandia Peak, 8800']
LOUISIANA BROOM-RAPE. Ponderosa pine forest. M&H 1975.
- Orobanche ludoviciana* subsp. *multiflora* (Nutt.) Collins ex White & Holmes [Hutchins 1729 UNM; Sandia,
W-slope, 7000'] LOUISIANA BROOM-RAPE. Foothill scrub and piñon-juniper woodland.
M&H 1975, Jercinovic 2003. (*Orobanche multiflora*)

OXALIDACEAE Oxalis Family

- Oxalis alpina* (Rose) Rose ex R. Knuth [Ellis 75 US; Sandia Mts.] ALPINE WOOD-SORREL.
Shaded slopes and cliffs from piñon-juniper woodland up to mixed conifer forest.
Bedker 1966, M&H 1975, Denton 1973. (*Oxalis metcalfei*)
- Oxalis caerulea* (Small) Kunth [Sivinski 4906 UNM; Sandia, forest near Kiwanis Meadow, 3120 m]
BLUE WOOD-SORREL. Subalpine forest.
- Oxalis corniculata* L. var. *wrightii* (A. Gray) B.L. Turner [Jercinovic 121 UNM; Manzano, 4th of July Canyon]
WRIGHT'S YELLOW WOOD-SORREL. Piñon-juniper woodland and ponderosa pine forest.
M&H 1975, Jercinovic 2003. (*Oxalis stricta*)
- « *Oxalis violacea* L. » VIOLET WOOD-SORREL; reported by M&H (1975), Ivey (2003) and Jercinovic (2003) – needs specimen verification. A reliable distinction between this species and *O. alpina* does not appear to exist in our flora.

PAPAVERACEAE Poppy Family

- Argemone pleiacantha* Greene subsp. *ambigua* Owenby [Segura 10 UNM; Sandia Mts., 6000']
SOUTHWESTERN PRICKLY-POPPY. Disturbed soils along highways in piñon-juniper woodland.
Specimen conforms to this Arizona subspecies. Possibly an accidental introduction along I-40.
- **Papaver rhoeas* L. [Sivinski 5326 UNM; Sandia, Tijeras Canyon along I-40] CORN POPPY.
Arroyos and other disturbed ground in foothill scrub and piñon-juniper woodland.

PEDALIACEAE Pedalium Family

- Proboscidea parviflora* (Woot.) Woot. & Standl. [Makepeace 7 UNM; Sandia, E-side] WOOTON'S DEVIL'S CLAW.
Sandy soils in piñon-juniper woodland. M&H 1975. APG-2003 Martyniaceae

PLANTAGINACEAE Plantain Family

- **Plantago lanceolata* L. [Sivinski & Carter 4951 UNM; Sandia, Cienega Canyon] ENGLISH PLANTAIN.
Roadsides and valley bottoms in foothill scrub up to ponderosa pine forest. M&H 1975, Jercinovic 2003.
- **Plantago major* L. [Bedker 763 UNM; Manzano, Nuevo Canyon] GREAT PLANTAIN.
Roadsides and valley bottoms in piñon-juniper up to mixed conifer forest.
Bedker 1966, M&H 1975, Jercinovic 2003.
- Plantago patagonica* Jacq. [Schurtz 25 UNM; Sandia, Juan Tabo Canyon] WOOLY PLANTAIN.
Foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003. (*Plantago purshii*)

POLEMONIACEAE Phlox Family

- Aliciella pinnatifida* Nutt. ex A. Gray [Sivinski & Lowrey 5743 UNM; Sandia Crest] STICKY GILIA.
Gravelly slopes in from ponderosa pine forest up to subalpine forest.
W&S 1915, M&H 1975. (*Gilia calcarea*, *Gilia pinnatifida*)
- Collomia linearis* Nutt. [Gordon & Norris 127 UNM; Sandia, E-side] NARROW-LEAF MOUNTAIN-TRUMPET.
Mixed conifer forest. Bedker 1966, M&H 1975, Jercinovic 2003.
- Eriastrum diffusum* (A. Gray) Mason [Sivinski 4759 UNM; Sandia, Tijeras Canyon near Carnuel]
MINIATURE WOOLY-STAR. Sandy arroyos in foothill scrub.
- Gilia flavocincta* A. Nels. subsp. *australis* (A. & V. Grant) Day & V. Grant [Sivinski 5304 UNM; Sandia,
mouth of Pino Canyon] YELLOW-THROAT GILIA. Coarse soils in foothill scrub and piñon-juniper woodland.
Jercinovic 2003.
- Gilia ophthalmoides* Brand [Sivinski 5303 UNM; Sandia, mouth of Pino Canyon] EYED GILIA.
Coarse soils in foothill scrub and piñon-juniper woodland. Atypical - has glabrous corolla tubes.
Identification uncertain and needs further study.
- « *Gilia sinuata* Dougl. ex Benth. » ROSY GILIA; reported by M&H (1975) – needs specimen verification.
- Giliastrum acerosum* (A. Gray) Rydb. [Sivinski 4379 UNM; Sandia, NW-side] SPINY BLUE-BOWLS.
Foothill scrub and piñon-juniper woodland.
W&S 1915, M&H 1975, Jercinovic 2003. (*Gilia rigidula* subsp. *acerosa*)

- « *Ipomopsis aggregata* (Pursh) V. Grant subsp. *candida* (Rydb.) V. & A. Grant » SKYROCKET; reported by W&S (1915) and M&H (1975) as *Gilia candida* – needs specimen verification. Many Sandia/Manzano plants have the short calyx lobes of subsp. *candida*, but all appear to have the flaring corolla tube and exerted stamens of subsp. *formosissima*.
- Ipomopsis aggregata* subsp. *formosissima* (Greene) Wherry [*Cabin 13* UNM; Sandia, W-slope] SKYROCKET.
Ponderosa pine forest up to subalpine forest. M&H 1975, Jercinovic 2003. (*Gilia texana*)
- « *Ipomopsis laxiflora* (Coul.) V. Grant » BLUE TRUMPETS; reported by Jercinovic (2003) – needs specimen verification.
- Ipomopsis longiflora* (Torr.) V. Grant var. *neomexicana* D. Wilkens [*Castetter 10061* UNM; Sandia Rim] TRUMPET GILIA. Sandy soils in foothill scrub up to ponderosa pine forest. Jercinovic 2003.
- Ipomopsis multiflora* (Nutt.) V. Grant [*Tafoya s.n.* UNM; Manzanita, Chamiso Canyon] MANY-FLOWERED SKYROCKET.
Piñon-juniper woodland and ponderosa pine forest. M&H 1975, Jercinovic 2003. (*Gilia multiflora*)
- Ipomopsis pumila* (Nutt.) V. Grant; [*Jercinovic 305* UNM; Manzano, Priest Canyon, 6080'] LOW SKYROCKET.
Foothill scrub. M&H 1975, Jercinovic 2003. (*Gilia pumila*)
- « *Leptosiphon nuttallii* (A. Gray) J.M. Porter & L.A. Johnson » NUTTALL'S LINANTHUS; reported by M&H (1975) as *Linanthastrum nuttallii* – needs specimen verification.
- Phlox gracilis* (Hook.) Greene [*Hutchins 1863* UNM; Sandia, W-slope] SLENDER PHLOX.
Coarse soils in foothill scrub and piñon-juniper woodland.
W&S 1915, M&H 1975, Jercinovic 2003. (*Microsteris gracilis*)
- Phlox longifolia* Nutt. [*Sivinski 4396* UNM; Sandia, NW foothill] LONG-LEAF PHLOX.
Piñon-juniper woodland.
- Phlox nana* Nutt. [*Borkrell 30* UNM; Sandia Park] SANTA FE PHLOX.
Piñon-juniper woodland and ponderosa pine forest. M&H 1975, Ivey 2003.
- Polemonium brandegeei* (A. Gray) Greene [*Sivinski 3175* UNM; Sandia Crest] BRANDEGEE'S JACOB'S-LADDER.
Rock outcrops in subalpine forest.
W&S 1915, Davidson 1950, M&H 1975, Ivey 2003. (*Polemonium viscosum* var. *mellitum*)
- Polemonium flavum* Greene [*Jones 245-1* UNM; Sandia, Tree Springs] YELLOW JACOB'S-LADDER.
Mixed conifer and subalpine forest. Bedker 1966, M&H 1975, Jercinovic 2003. (*Polemonium filicinum*)
- Polemonium foliosissimum* A. Gray [*Castetter 10104* UNM; Sandia, Capulin Spring] JACOB'S-LADDER.
Ponderosa pine forest up to subalpine forest. Davidson 1950, W&S 1915, Bedker 1966, M&H 1975.
- « *Polemonium viscosum* Nutt. var. *viscosum* » SKY PILOT; reported by M&H (1975) – needs specimen verification.

POLYGALACEAE Milkwort Family

- Polygala alba* Nutt. [*Sivinski 4870* UNM; Manzanita, Zamora] WHITE MILKWORT.
Piñon-juniper woodland. W&S 1915, M&H 1975, Ivey 2003, Jercinovic 2003.
- « *Polygala obscura* Benth. » VELVET-SEED MILKWORT; reported by Jercinovic (2003) – needs specimen verification.

POLYGONACEAE Buckwheat or Knotweed Family

- « *Eriogonum abertianum* Torr. » ABERT'S WILD-BUCKWHEAT; reported by M&H (1975) – needs specimen verification.
- Eriogonum alatum* Torr. [*Sivinski 5023* UNM; Sandia, South Peak Trail] WINGED WILD-BUCKWHEAT.
Piñon-juniper woodland up to openings in mixed conifer forest.
Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- « *Eriogonum annuum* Nutt. » ANNUAL WILD-BUCKWHEAT; reported by Jercinovic (2003) – needs specimen verification.
- Eriogonum cernuum* Nutt. [*Castetter & Dittmer 3815* UNM; Sandia, E-slope] NODDING WILD-BUCKWHEAT.
Sandy arroyos in foothill scrub and piñon-juniper woodland.
- « *Eriogonum corymbosum* Benth. » CRISPY WILD-BUCKWHEAT; reported by Ivy (2003) – needs specimen verification.
- Eriogonum effusum* Nutt. [*Sivinski 6215* UNM; Sandia, near La Cueva Picnic Area] SPREADING WILD-BUCKWHEAT.
Foothill scrub and piñon-juniper woodland.
- Eriogonum jamesii* Benth. [*Sivinski 5039* UNM; South Sandia Peak] JAMES' WILD-BUCKWHEAT.
Piñon-juniper woodland up to rock outcrops in mixed conifer forest.
Bedker 1966, M&H 1975, Jercinovic 2003.
- Eriogonum lonchophyllum* Torr. & Gray [*Sivinski 5009* UNM; Sandia, gypsum near Placitas] SPEAR-LEAF WILD-BUCKWHEAT. Shale and gypsum outcrops in piñon-juniper woodland at north end of Sandia Mountains. W&S 1915.
- Eriogonum microthecum* Nutt. var. *simpsonii* (Benth.) Reveal [*Sivinski 5047* UNM; Sandia, shale near Placitas] SIMPSON'S WILD-BUCKWHEAT. Clayey soils in piñon-juniper woodland.
Bedker 1966, M&H 1975. (*Eriogonum simpsonii*)

- Eriogonum polycladon* Benth. [*Sivinski 5079* UNM; Sandia, near Juan Tabo Cabin] SORREL WILD-BUCKWHEAT.
Sandy arroyos in foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Ivey 2003.
- Eriogonum racemosum* Nutt. [*Sivinski 5041* UNM; South Sandia Peak, 2900 m] RED-ROOT WILD-BUCKWHEAT.
Piñon-juniper woodland up to rocky openings in mixed conifer forest.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Eriogonum rotundifolium* Benth. [*Sivinski 5705* UNM; Manzano, west foothill] ROUND-LEAF WILD-BUCKWHEAT.
Arroyos and roadsides in foothill scrub. M&H 1975.
- Eriogonum wrightii* Torr. ex Benth. [*Gordon s.n.* UNM; Sandia, Juan Tabo Canyon] WRIGHT'S WILD-BUCKWHEAT.
Rocky soils in foothill scrub and piñon-juniper woodland.
W&S 1915, M&H 1975, Ivey 2003, Jercinovic 2003.
- **Fagopyrum esculentum* Moench; GARDEN BUCKWHEAT. W&S 1915, M&H 1975. Tentatively accepted.
W&S (1915) specimen apparent, but not located.
- **Persicaria lapathifolia* (L.) A. Gray [*Ralston 48* UNM; Sandia, Juan Tabo Canyon] DOCK-LEAF SMARTWEED.
Disturbed ground in valley bottoms. (*Polygonum lapathifolium*)
- **Persicaria maculosa* A. Gray [*Boyd 75* UNM; Manzano, Cedro Canyon] LADY'S-THUMB. West soils in piñon-juniper woodland and ponderosa pine forest. W&S 1915, M&H 1975. (*Polygonum persicaria*)
- « *Persicaria pensylvanica* » PENNSYLVANIA SMARTWEED; reported by M&H (1975) as *Polygonum pensylvanicum* – needs specimen verification.
- Polygonella americana* (Fisch. & C.A. Mey.) Small; SOUTHERN JOINTSTEM.
W&S 1915, M&H 1975. Tentatively accepted. W&S (1915) specimen apparent, but not located.
- **Polygonum aviculare* L. [*Repetto 69* UNM; Sandia, Juan Tabo Canyon] YARD KNOTWEED.
Disturbed ground from foothill scrub up to subalpine forest. Bedker 1966, M&H 1975, Jercinovic 2003.
- **Polygonum convolvulus* L. [*Sivinski & Jercinovic 5402* UNM; Manzano, N slope of Bosque Peak] BLACK BINDWEED.
Shaded areas in ponderosa pine and mixed conifer forests.
W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.
- Polygonum douglasii* Greene [*Sivinski 3223* UNM; Manzano, Cañon Colorado] DOUGLAS' KNOTWEED.
Ponderosa pine and mixed conifer forests. Jercinovic 2003.
- Polygonum ramosissimum* Michx. [*Sivinski 5004* UNM; Sandia, Cañon de las Huertas]
YELLOW-FLOWERED KNOTWEED. Valley bottoms in piñon-juniper woodland and ponderosa pine forest.
M&H 1975.
- **Rumex acetosella* L.; SHEEP SORREL. W&S 1915, M&H 1975. Tentatively accepted.
W&S (1915) specimen apparent, but not located.
- **Rumex crispus* L. [*Ellis 259* MO; Sandia] CURLY DOCK.
Roadsides and valley bottoms in piñon-juniper woodland up to mixed conifer forest.
Rechinger 1937, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Rumex densiflorus* Osterhout; [*Castetter 3886* UNM; Sandia rim road, 9500'] DENSE-FLOWER DOCK.
Mixed conifer forest. M&H 1975.
- Rumex hymenosepalus* Torr. [*Castetter 1782* UNM; Sandia] TANNER'S DOCK.
Sandy soils in foothill scrub and piñon-juniper woodland. Rechinger 1937, M&H 1975, Jercinovic 2003.
- « *Rumex mexicanus* Meisner » MEXICAN DOCK; reported by M&H (1975) – needs specimen verification.
- « *Rumex triangulivalvis* (Danser) Rech. » WHITE DOCK; reported by M&H (1975) – needs specimen verification.

PORTULACACEAE Purslane Family

- Pheimeranthus brevicaulis* (S. Wats.) Kiger [*Sivinski 4936* UNM; Manzano, limestone ridge near Capilla Peak, 2750 m] SHOWY FAMEFLOWER. Dry limestone ridges in piñon-juniper woodland up to mixed conifer forest.
Ivey 2003, Jercinovic 2003. (*Talinum pulchellum*)
- Pheimeranthus confertiflorus* (Greene) Hershkovitz [*Sivinski 5036* UNM; South Sandia Peak]
NEW MEXICO FAMEFLOWER. Foothill scrub up to rocky meadows in mixed conifer forest.
W&S 1915, M&H 1975. (*Talinum confertiflorum*)
- **Portulaca oleracea* L. [*Jones 220-1* UNM; Sandia, Juan Tabo Canyon] GARDEN PURSLANE.
Arroyo bottoms and disturbed areas from foothill scrub up to ponderosa pine forest.
Bedker 1966, M&H 1975, Jercinovic 2003.
- Portulaca pilosa* L. [*Sivinski 5179* UNM; Sandia, Cañon Embudito] KISS-ME-QUICK. Foothill scrub.

PRIMULACEAE Primrose Family

- Androsace occidentalis* Pursh [*Sivinski 4390* UNM; Sandia, NW-side] WESTERN ROCK-JASMINE.
Foothill scrub and piñon-juniper woodland. M&H 1975.

- Androsace septentrionalis* L. [*Sivinski 3169* UNM; Sandia Crest] PYGMY ROCK-JASMINE.
Ponderosa pine forest up to rocky meadows in subalpine forest.
Bedker 1966, Ivey 2003, Jercinovic 2003. (*A. septentrionalis* var. *subulifera*)
- Dodecatheon ellisiae* Standl. [TYPE: *Ellis s.n.* US; Sandia, Capulin Canyon] ELLIS' SHOOTING-STAR.
Narrow canyon bottoms in mixed conifer forest.
W&S 1915, M&H 1975, Ivey 2003, Jercinovic 2003. (*Dodecatheon dentatum* subsp. *ellisiae*)
- Dodecatheon pulchellum* (Raf.) Merr. [*Martin 4189* UNM; south Sandia Crest] DARK-THROAT SHOOTING-STAR.
Meadows in mixed conifer and subalpine forest. M&H 1975. (*Dodecatheon radicans*)
- Primula ellisiae* Pollard & Cockerell [TYPE: *Ellis s.n.* US; Sandia Crest] ELLIS' PRIMROSE.
Cliffs and rocky meadows in subalpine forest.
W&S 1915, Bedker 1966, M&H 1975. (*Primula rusbyi* var. *ellisiae*)
- « *Primula parryi* A. Gray » PARRY'S PRIMROSE; reported by M&H (1975) – needs specimen verification.
« *Primula rusbyi* Greene » RUSBY'S PRIMROSE; reported by M&H (1975) and Ivey (2003) – needs specimen verification.

RANUNCULACEAE Buttercup Family

- Aconitum columbianum* Nutt. [*Hutchins 2392* UNM; Sandia, E-side, 10200'] MONK'S HOOD.
Canyon bottoms and meadows in mixed conifer and subalpine forest.
W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.
- Actaea rubra* (Ait.) Willd. subsp. *arguta* (Nutt.) Hulten [*Castetter 4214* UNM; Sandia, Las Huertas Canyon] RED BANE BERRY. Ponderosa pine forest up to subalpine forest.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Anemone canadensis* L. [*Johnson 1* UNM; Sandia, Sulfur Canyon] WINDFLOWER.
Canyon bottoms in ponderosa pine and mixed conifer forests. Bedker 1966, M&H 1975, Jercinovic 2003.
- Anemone cylindrica* A. Gray [*Jercinovic 323* UNM; Manzano, Apache Canyon, 7140'] LONG-HEAD THIMBLEWEED.
Ponderosa pine and mixed conifer forests. M&H 1975, Ivey 2003, Jercinovic 2003.
« *Aquilegia coerulea* James » COLORADO BLUE COLUMBINE; reported by M&H (1975) – needs specimen verification.
- Aquilegia chrysantha* A. Gray [*Anon 5* UNM; Sandia, Ellis Ranch] GOLDEN COLUMBINE.
Springs and cliff seeps in mixed conifer forest. M&H 1975.
- Aquilegia desertorum* (M.E. Jones) Cockll. ex Heller [*Jones 6* UNM; Sandia, Las Huertas Campground] DESERT COLUMBINE. Rocky slopes and valley bottoms in ponderosa pine forest up to subalpine forest.
Munz 1946, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. (*Aquilegia triternata*)
- Aquilegia elegantula* Greene [*Tafuya 103* UNM; Sandia Crest] RED COLUMBINE.
Mixed conifer and subalpine forests. W&S 1915, Bedker 1966, M&H 1975.
- Clematis bigelovii* Torr. [TYPE: *Bigelow 981* GH; Sandia Mts.] BIGELOW'S LEATHERFLOWER.
Ponderosa pine forest (usually with Gambel oak) up to rocky openings in subalpine forest.
W&S 1915, M&H 1975, Ivey 2003, Jercinovic 2003.
- Clematis columbiana* (Nutt.) Torr. & Gray [*Wagner 105* UNM; Sandia, Cole Spring] COLUMBIAN VIRGIN'S-BOWER.
Ponderosa pine forest up to subalpine forest.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. (*Clematis pseudoalpina*)
- Clematis ligusticifolia* Nutt. [*Baca 60* UNM; Sandia, Las Huertas Canyon] VIRGIN'S BOWER.
Valley bottoms in piñon-juniper woodland up to mixed conifer forest.
Bedker 1966, M&H 1975, Jercinovic 2003.
- Delphinium sapellonis* Cockerell [*Sivinski 3164* UNM; Sandia Crest] SAPELLO CANYON LARKSPUR.
Mixed conifer and subalpine forest (often under aspen). W&S 1915, M&H 1975, Ivey 2003, Jercinovic 2003. The pubescence of the Sandia Mountain population differs from the Sangre de Cristo Mountains type of *D. sapellonis* (Ron Hartman, personal communication).
« *Delphinium scaposum* Greene » BARE-STEM LARKSPUR; reported by M&H (1975) – needs specimen verification.
- Delphinium wootonii* Rydb. [*Sivinski 4783* UNM; Sandia, Cañon de la Cueva] WOOTON'S LARKSPUR.
Foothill scrub. M&H 1975, Jercinovic 2003. (*Delphinium virescens* subsp. *wootonii*)
- Myosurus apetalus* C. Gay var. *montanus* (G.R. Campbell) Whitemore; BRISTLY MOUSE-TAIL.
W&S 1915, M&H 1975. Tentatively accepted. W&S (1915) specimen apparent, but not located.
(*Myosurus aristatus* var. *montanus*)
« *Myosurus minimus* L. » TINY MOUSE-TAIL; reported by M&H (1975) – needs specimen verification.
- Pulsatilla patens* (L.) P. Miller subsp. *multifida* (Pritzl) Zamelis [*Bedker 1638b* UNM; Manzano, Tajiue Canyon, 7100'] AMERICAN PASQUEFLOWER. Ponderosa pine and mixed conifer forests.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. (*Anemone patens* var. *multifida*)

- Ranunculus aquatilis* L. var. *diffusus* Withering [*Martin 3051* UNM; Manzano] WATER-CROWFOOT.
Floating on standing or slow-moving water in ponderosa pine forest. Bedker 1966, Jercinovic 2003.
« *Ranunculus cardiophyllus* Hook. » HEART-LEAF BUTTERCUP; reported by M&H (1975) and Ivey (2003)– needs specimen verification. Possibly confused with *Ranunculus inamoenus*.
- Ranunculus cymbalaria* Pursh [*Garcia 27* UNM; Sandia, Cole Spring Canyon] ALKALI BUTTERCUP.
Wet, alkaline margins of springs and creeks from foothill scrub to ponderosa pine forest.
Bedker 1966, M&H 1975.
- Ranunculus inamoenus* Greene [*Garcia 153* UNM; Sandia, las Huertas Canyon] GRACEFUL BUTTERCUP.
Riparian in ponderosa pine forest up to understory of subalpine forest.
W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.
- Ranunculus macounii* Britt. [*Jercinovic 110* UNM; Manzano, Tajique Creek] MACOUN'S BUTTERCUP.
Riparian in ponderosa pine forest. Jercinovic 2003.
- Thalictrum fendleri* Engelm. ex A. Gray [*Tafoya 84* UNM; Sandia, Cienega Trail] FENDLER'S MEADOW-RUE.
Piñon-juniper woodland up to mixed conifer forest.
Bedker 1966, M&H 1975, Jercinovic 2003. (*T. fendleri* var. *wrightii*)
- Trautvetteria caroliniensis* (Walt.) Vail [*Herrick 975* UNM; Sandia Mts.] CAROLINA TASSEL-RUE.
Canyon bottoms in mixed conifer forest. W&S 1915, M&H 1975. (*Trautvetteria grandis*)

RHAMNACEAE Buckthorn Family

- Ceanothus fendleri* A. Gray [*Dunbar 608* UNM; Sandia, Tree Springs Trail] FENDLER'S BUCKBRUSH.
Ponderosa pine and mixed conifer forest. W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.

ROSACEAE Rose Family

- « *Agrimonia gryposepala* Wallr. » HAIRY BURHEAD; reported by M&H (1975) – needs specimen verification.
- Agrimonia striata* Michx. [*Sivinski & Maddux 5000* UNM; Sandia, Cañon de las Huertas] WOODLAND BURHEAD.
Riparian in piñon-juniper woodland up to meadows and roadsides in mixed conifer forest.
W&S 1915, M&H 1975, Jercinovic 2003.
- Amelanchier alnifolia* (Nutt.) Nutt. ex M. Roemer [*Bedker 1347* UNM; Manzano, Mosca Peak]
SASKATOON SERVICEBERRY. Mixed conifer forest.
- Amelanchier utabensis* Koehne [*Castetter 5388* UNM; Sandia, Aspen Grove] UTAH SERVICEBERRY.
Ponderosa pine and mixed conifer forests.
W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003. (*Amelanchier mormonica*, *Amelanchier oreophila*)
- Cercocarpus montanus* Raf. [*Sivinski 5024* UNM; Sandia, South Peak Trail] MOUNTAIN MAHOGANY.
Foothill scrub up to mixed conifer forest.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
Specimens with small leaves at lower elevations approach *Cercocarpus breviflorus* A. Gray in size.
- « *Crataegus erythropoda* Ashe » CERRO HAWTHORN; reported by W&S (1915) and M&H (1975), – needs specimen verification.
Possibly misidentification of *Crataegus macracantha*.
- Crataegus macracantha* Loddiges ex Loud var. *occidentalis* (Britt.) Ettl. [*Baca 48* UNM; Sandia, Texas Canyon]
FLESHY HAWTHORN. Canyon bottoms in piñon-juniper woodland and ponderosa pine forest.
- « *Crataegus rivularis* Nutt. » RIVER HAWTHORN; reported by M&H (1975) – needs specimen verification.
- Fallugia paradoxa* (D. Don) Endl. ex Torr. [*Sivinski 4816* UNM; Sandia, Cañon de la Cueva] APACHE PLUME.
Coarse soils and arroyo bottoms in foothill scrub and piñon-juniper woodland.
Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Fragaria vesca* L. [*Tafoya s.n.* UNM; Sandia Mts.] WOODLAND STRAWBERRY.
Ponderosa pine and mixed conifer forests. W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.
(*Fragaria bracteata*)
- Fragaria virginiana* Duchesne [*Dunbar 55* UNM; Sandia, Kiwanis Meadow, 10500'] PALE STRAWBERRY.
Ponderosa pine forest up to subalpine forest. Bedker 1966, M&H 1975. (*Fragaria ovalis*)
- Geum aleppicum* Jacq. [*Sivinski & Carter 4954* UNM; Sandia, Cañon Cienega] YELLOW AVENS.
Riparian in piñon-juniper woodland up to mixed conifer forest. M&H 1975, Ivey 2003, Jercinovic 2003.
(*Geum strictum*)
- Holodiscus dumosus* (Nutt. ex Hook.) Heller [*Sivinski 3176* UNM; Sandia Crest] INLAND OCEANSPRAY.
Rocky outcrops in mixed conifer and subalpine forests.
W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.
- **Malus pumila* P. Mill. [*Sivinski 4757* UNM; Sandia, Cañon de las Huertas] APPLE. Occasional feral trees on roadsides and canyon bottoms from piñon-juniper woodland up to mixed conifer forest. (*Malus sylvestris*)

- Pentaphylloides fruticosa* (L.) O. Schwarz [Johnson 15 UNM; Sandia Crest] SHRUBBY CINQUEFOIL.
Meadows and rock outcrops in subalpine forest. M&H 1975. (*Potentilla fruticosa*)
- Physocarpus monogynus* (Torr.) Coult. [Sivinski 4938 UNM; Manzano, Capilla Peak] MOUNTAIN NINEBARK.
Rock outcrops and steep slopes in mixed conifer and subalpine forests.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Potentilla anserina* L. [Jercinovic 320 UNM; Manzano, Tajique Canyon, 7500'] SILVERWEED.
Springs and streamsides from piñon-juniper woodland up to mixed conifer forest.
M&H 1975. (*Argentina anserina*)
- Potentilla concinna* L.C.M. Richard [Clark s.n. UNM; Sandia, E-side, high meadows] PRETTY CINQUEFOIL.
Rocky meadows in mixed conifer and subalpine forests. W&S 1915, M&H 1975.
- Potentilla gracilis* Douglas ex. Hook. var. *pulcherrima* (Lehm.) Fern. [Sivinski 3189 UNM; Sandia Crest]
GRACEFUL CINQUEFOIL. Ponderosa pine forest up to meadows in subalpine forest.
Bedker 1966, M&H 1975, Jercinovic 2003. (*Potentilla pulcherrima*)
- Potentilla hippiana* Lehm. [Sivinski 5028 UNM; South Sandia Peak] WOOLY CINQUEFOIL.
Meadows and aspen glades in mixed conifer and subalpine forests.
Bedker 1966, M&H 1975, Jercinovic 2003.
- Potentilla pensylvanica* L. [Garcia 970 UNM; Sandia Crest] PENNSYLVANIA CINQUEFOIL.
Meadows and rock outcrops in subalpine forest. W&S 1915, M&H 1975.
- « *Potentilla plattensis* Nutt. » PLATT RIVER CINQUEFOIL; reported by M&H (1975) – needs specimen verification.
- « *Potentilla rivalis* Nutt. » BROOK CINQUEFOIL; reported by M&H (1975) – needs specimen verification.
- Prunus americana* Marsh. [Sivinski 4792 UNM; Sandia Park, roadside] AMERICAN PLUM.
Roadsides and canyon bottoms in piñon-juniper woodland up to ponderosa pine forest.
M&H 1975, Ivey 2003, Jercinovic 2003.
- Prunus virginiana* L. var. *melanocarpa* (A. Nels.) Sarg. [Cockerell 22 UNM; above Sandia Park] CHOKE CHERRY.
Riparian in piñon-juniper woodland up to hillsides in mixed conifer forest.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Purshia stansburiana* (Torr.) Henrickson [Tafuya 12 UNM; Sandia, Juan Tabo Canyon] CLIFFROSE.
Rocky outcrops in foothill scrub and piñon-juniper woodland. M&H 1975, Ivey 2003. (*Cowania mexicana*)
- **Pyracantha coccinea* Roemer [Sivinski 4772 UNM; Sandia, Cañon Embudito] SCARLET FIRETHORN.
This ornamental shrub occasionally escapes to the canyon bottoms in foothill scrub on the west face of the Sandia Mountains.
- **Pyrus communis* L. [Sivinski 5330 UNM; Manzanita, Tijeras Creek near Tijeras] PEAR.
Occasional feral trees in canyon bottoms in piñon-juniper woodland.
- Rosa woodsii* Lindl. [Sivinski 4888 UNM; Sandia, east side] WOOD'S ROSE.
Riparian in piñon-juniper woodland up to mixed conifer forest.
Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. (*Rosa neomexicana*)
- Rubus idaeus* L. subsp. *strigosus* (Michx.) Focke [Sivinski 3222 UNM; Manzano, Red Canyon] RED RASPBERRY.
Ponderosa pine and mixed conifer forests. Bedker 1966, M&H 1975, Jercinovic 2003. (*Rubus strigosus*)
- Rubus parviflorus* Nutt. [Bedker 895 UNM; Manzano, Cañon Colorado] WESTERN THIMBLE-BERRY.
Canyon bottoms and N-facing slopes in mixed conifer forest. M&H 1975, Ivey 2003, Jercinovic 2003.
- Sorbus scopulina* Greene [Bailey 1426 US; Manzano Mts.] CASCADE MOUNTAIN-ASH.
Known from a single early collection and cannot be relocated in the Manzano or Sandia mountains.
W&S 1915, Jones 1939.

RUBIACEAE Madder Family

- **Galium aparine* L. [Sivinski & Carter 4957 UNM; Sandia, Cañon Cienega] STICKY BEDSTRAW.
Riparian in ponderosa pine and mixed conifer forests. M&H 1975, Jercinovic 2003.
- Galium boreale* L. [Sivinski 3338 UNM; Sandia Crest] NORTHERN BEDSTRAW.
Mixed conifer and subalpine forests. W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.
- Galium fendleri* A. Gray [Sivinski 5025 UNM; Sandia, South Peak Trail] FENDLER'S BEDSTRAW.
Rock outcrops in piñon-juniper woodland up to mixed conifer forest. M&H 1975.
- Galium mexicanum* Kunth subsp. *asperrimum* (A. Gray) Dempster [Tatschel s.n. UNM; E-side, 9800']
MEXICAN BEDSTRAW. Meadows and aspen glades in ponderosa pine and mixed conifer forests.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003. (*Galium asperrimum*)
- Galium triflorum* Michx. [Bedker 1126 UNM; Manzano, Kaiser Mill Canyon, 8900'] FRAGRANT BEDSTRAW.
Mixed conifer forest. Bedker 1966, M&H 1975.

Hedyotis nigricans (Lam.) Fosberg [*Sivinski 4862* UNM; Sandia, Carnuel] DIAMOND-FLOWERS.

Coarse granite soil in foothill scrub.

Houstonia rubra Cav. [*Sivinski 5056* UNM; Sandia, foothill near Placitas] RED BLUEETS.

Foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003. (*Hedyotis rubra*)

RUTACEAE Rue or Citrus Family

Ptelea trifoliata L. subsp. *angustifolia* (Benth.) V. Bailey [*Palmer 31171* MO; Sandia Mts.] HOPTREE.

Foothill scrub up to rocky outcrops in mixed conifer forest.

Bailey 1962, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. (*Ptelea angustifolia*)

Ptelea trifoliata subsp. *polyadenia* (Greene) V. Bailey [*Eastwood 15652* CAS; Sandia Mts.] HOPTREE.

Rocky slopes and outcrops in ponderosa pine and mixed conifer forests. Bailey 1962.

SALICACEAE Willow Family

Populus angustifolia James [*Castetter 3559* UNM; Manzano, Los Palos Canyon] NARROW-LEAF COTTONWOOD.

Riparian from piñon-juniper woodland up to mixed conifer forest. Bedker 1966, M&H 1975, Ivey 2003.

Populus deltoides Bartr. ex Marsh. subsp. *wislizeni* (S. Wats.) Eckenwalder [*Sivinski 4789* UNM;

Sandia, spring seep near Placitas] RIO GRANDE COTTONWOOD.

Riparian in foothill scrub and piñon-juniper woodland. M&H 1975. (*Populus fremontii* var. *wislizeni*)

Populus tremuloides Michx. [*Sivinski 4890* UNM; Sandia, east side] QUAKING ASPEN.

Ponderosa pine forest up to subalpine forest. Bedker 1966, M&H 1975.

Salix amygdaloides Anderss. [*Sivinski 5239* UNM, Sandia, Tunnel Spring] PEACH-LEAF WILLOW.

Riparian in foothill scrub and piñon-juniper woodland. Bedker 1966.

« *Salix bebbiana* Sarg. » BEBB WILLOW; reported by M&H (1975) – needs specimen verification.

Salix exigua Nutt. [*Sivinski 4774* UNM; Sandia, Cañon Embudito] COYOTE WILLOW.

Riparian from foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003.

Salix gooddingii Ball [*Jennings s.n.* UNM; Sandia, Embudo Canyon] BLACK WILLOW. Riparian in foothill scrub.

Salix irrorata Anderss. [*Tafuya s.n.* UNM; Sandia, Cienega Canyon] BLUE-STEM WILLOW.

Riparian in foothill scrub up to ponderosa pine forest.

W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.

Salix lucida Muhlenb. subsp. *lasiandra* (Benth.) Argus [*Jones 79-1* UNM; Sandia, La Cueva Canyon]

SHINING WILLOW. Riparian in piñon-juniper woodland. Jercinovic 2003

« *Salix scouleriana* Barratt ex Hook. » SCOULER WILLOW; reported by M&H (1975) – needs specimen verification.

SANTALACEAE Sandalwood Family

Comandra umbellata (L.) Nutt. subsp. *pallida* (A. DC.) Pichl [*Sivinski 4859* UNM; Sandia, foothill near Placitas]

BASTARD-TOADFLAX. Piñon-juniper woodland. M&H 1975, Jercinovic 2003. (*Comandra pallida*)

SAXIFRAGACEAE Saxifrage Family

Heuchera parvifolia Nutt. ex Torr. & Gray [*Sivinski 4930* UNM; Manzano, Capilla Peak] LITTLE-LEAF ALUMROOT.

Rock outcrops from ponderosa pine and mixed conifer forests. Bedker 1966, M&H 1975, Jercinovic 2003.

Heuchera pulchella Woot. & Standl. [TYPE: *Wooton s.n.* US; Sandia Crest] SANDIA ALUMROOT.

Rock outcrops in subalpine forest. W&S 1915, M&H 1975, Ivey 2003, Jercinovic 2003.

« *Heuchera rubescens* Torr. var. *versicolor* (Greene) M.G. Stewart » PINK ALUMROOT; reported by M&H (1975) as *Heuchera versicolor* Greene – needs specimen verification. The *H. pulchella* population in the Manzano Mountains has relatively large leaves that resemble those of *H. rubescens*.

Saxifraga bronchialis L. subsp. *austromontana* (Wiegand) Piper [*Goding 60* UNM; Manzano, Red Canyon]

YELLOW-SPOT SAXIFRAGE. Rock outcrops and steep slopes in mixed conifer forest.

M&H 1975, Jercinovic 2003.

« *Saxifraga odontoloma* Piper » STREAMBANK SAXIFRAGE; reported by M&H (1975) – needs specimen verification.

« *Saxifraga rhomboidea* Greene » DIAMOND-LEAF SAXIFRAGE; reported by M&H (1975) – needs specimen verification.

SCROPHULARIACEAE Figwort Family

« *Castilleja austromontana* Standl. & Blumer » RINCON INDIAN-PAINTBRUSH; reported by M&H (1975) – needs specimen verification.

Castilleja integra A. Gray [*Sivinski 3183* UNM; Sandia Crest] FOOTHILLS INDIAN-PAINTBRUSH.

Foothill scrub up to rocky meadows in subalpine forest. Bedker 1966, M&H 1975, Jercinovic 2003.

APG-2003 Orobanchaceae

- Castilleja linariifolia* Benth. [*Sivinski 5027 UNM*; South Sandia Peak] WYOMING INDIAN-PAINTBRUSH.
Ponderosa pine and mixed conifer forests. Bedker 1966, M&H 1975. **APG-2003 Orobanchaceae**
- Castilleja miniata* Dougl. ex Hook. [*Sivinski 3160 UNM*; Sandia Crest] SHOWY INDIAN-PAINTBRUSH.
Mixed conifer and subalpine forests.
W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003. (*Castilleja confusa*) **APG-2003 Orobanchaceae**
- « *Castilleja occidentalis* Torr. » PALE INDIAN-PAINTBRUSH; reported by M&H (1975) – needs specimen verification.
« *Castilleja rhexiifolia* Rydb. » ROSY INDIAN-PAINTBRUSH; reported by M&H (1975) – needs specimen verification.
« *Castilleja sulphurea* Rydb. » SULFUR-FLOWERED INDIAN-PAINTBRUSH; reported by Jercinovic (2003), but his photo appears to be the yellow-bract form of *C. integra*. Needs specimen verification.
- Cordylanthus wrightii* A. Gray [*Sivinski 3218 UNM*; Manzano, Cañon Colorado] WRIGHT'S BIRD'S-BEAK.
Piñon-juniper woodland and ponderosa pine forest.
Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. **APG-2003 Orobanchaceae**
- **Linaria dalmatica* (L.) Miller [*Sivinski 4867 UNM*; Manzanita, Zamora, disturbed roadside]
DALMATIAN TOADFLAX. Disturbed roadsides in piñon-juniper woodland. **APG-2003 Plantaginaceae**
- Maurandya antirrhiniflora* Humb. & Bonpl. ex Willd. [*Sivinski & Cox 5016 UNM*; Sandia, Cañon Hondo]
LITTLE SNAPDRAGON VINE. Cliffs and steep rocky slopes in foothill scrub and piñon-juniper woodland.
Bedker 1966, M&H 1975. **APG-2003 Plantaginaceae**
- Mimulus glabratus* Kunth var. *jamesii* (Torr. & Gray ex Benth.) A. Gray [*Ellis 294 MO*, Sandia, Bear Springs]
ROUND-LEAF MONKEY-FLOWER. Springs and creeks from foothill scrub up to ponderosa pine forest.
Grant 1924, Bedker 1966, Jercinovic 2003. **APG-2003 Phrymaceae**
- Mimulus guttatus* DC. [*Tafoya 4 UNM*; Sandia, La Luz Trail] SEEP MONKEY-FLOWER.
Spring seeps from piñon-juniper woodland up to subalpine forest.
Bedker 1966, M&H 1975, Jercinovic 2003. (*Mimulus cordatus*) **APG-2003 Phrymaceae**
- Orthocarpus luteus* Nutt. [*Bedker 600 UNM*; Manzano, Kaiser Mill Canyon, 8400'] YELLOW OWL-CLOVER.
Meadows and valley bottoms in ponderosa pine and mixed conifer forests.
Jercinovic 2003. **APG-2003 Orobanchaceae**
- « *Orthocarpus purpureoalbus* A. Gray ex S. Wats. » PURPLE OWL-CLOVER; reported by M&H (1975) and Ivey (2003) – needs specimen verification.
- Pedicularis centranthera* A. Gray [*Tafoya 30 UNM*; Sandia Mts.] DWARF LOUSEWORT.
Piñon-juniper woodland and ponderosa pine forest.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. **APG-2003 Orobanchaceae**
- Pedicularis procera* A. Gray [TYPE: *Bigelow 1003 GH*; Sandia Mts.] GIANT LOUSEWORT.
Mixed conifer and subalpine forests. W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
(*Pedicularis grayi*) **APG-2003 Orobanchaceae**
- Penstemon albidus* Nutt. [*Tafoya s.n. UNM*; Sandia, Cienega Trail] RED-LINE PENSTEMON.
Valley bottoms in ponderosa pine forest. This Great Plains species is known in the Sandia flora from a single collection in Cienega Canyon. Attempts to relocate this population have not been successful.
APG-2003 Plantaginaceae
- « *Penstemon ambiguus* Torr. » MOTH BEARDTONGUE; reported by M&H (1975) – needs specimen verification.
- Penstemon barbatus* (Cav.) Roth subsp. *torreyi* (Benth.) Keck [*Nisbet 752 UNM*; Manzanita, Cedro Canyon]
SCARLET PENSTEMON. Piñon-juniper woodland and ponderosa pine forest.
Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. **APG-2003 Plantaginaceae**
- « *Penstemon breviculus* (Keck) Nisbet & Jackson » SHORT-STEM BEARDTONGUE; reported by M&H (1975) – needs specimen verification.
- « *Penstemon crandallii* A. Nels. subsp. *glabrescens* (Pennell) Keck » CRANDALL'S BEARDTONGUE; reported by M&H (1975) – needs specimen verification.
- Penstemon fendleri* Torr. & Gray [*Martin 4804 UNM*; Manzano, Red Canyon] FENDLER'S PENSTEMON.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Jercinovic 2003.
APG-2003 Plantaginaceae
- Penstemon gracilis* Nutt.; SLENDER BEARDTONGUE. W&S 1915, M&H 1975. Tentatively accepted.
W&S (1915) specimen apparent, but not located. **APG-2003 Plantaginaceae**
- Penstemon inflatus* Crosswhite [TYPE: *Palmer 31162 PH*; Sandia Mts.] INFLATED PENSTEMON.
Ponderosa pine forest up to rocky meadows in subalpine forest. Crosswhite 1965, Jercinovic 2003.
This is the *Penstemon oliganthus* Woot. & Standl. of M&H (1975). **APG-2003 Plantaginaceae**
- Penstemon jamesii* Benth. [*Sivinski 4866 UNM*; Manzanita, Zamora] JAMES' PENSTEMON.
Piñon-juniper woodland. M&H 1975, Ivey 2003, Jercinovic 2003. **APG-2003 Plantaginaceae**

- Penstemon ophianthus* Pennell [*Clark s.n.* UNM; Sandia, W-side foothills] SHORT-FLOWERED PENSTEMON.
Foothill scrub. **APG-2003 Plantaginaceae**
- Penstemon palmeri* A. Gray [*Sivinski 4898* UNM; Sandia, Juan Tabo picnic ground] PALMER'S BEARDTONGUE.
Where planted along roadsides in foothill scrub and piñon-juniper woodland.
Ivey 2003 **APG-2003 Plantaginaceae**
- Penstemon secundiflorus* Benth. [*Sivinski 4389* UNM; Sandia, NW foothill] SIDE-BELLS PENSTEMON.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975. **APG-2003 Plantaginaceae**
- Penstemon strictiformis* Rydb. STIFF BEARDTONGUE. W&S 1915, M&H 1975. Tentatively accepted.
W&S (1915) specimen evident, but not located. **APG-2003 Plantaginaceae**
- Penstemon strictus* Benth. [*Nisbet 15* UNM; Sandia Crest] ROCKY MOUNTAIN PENSTEMON.
Meadows in mixed conifer and subalpine forests.
Bedker 1966, Ivey 2003, Jercinovic 2003. **APG-2003 Plantaginaceae**
- Penstemon virgatus* A. Gray [*Nisbet 741* UNM; Sandia, Forest Park] WAND-BLOOM PENSTEMON.
Piñon-juniper woodland and ponderosa pine forest.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003. **APG-2003 Plantaginaceae**
- Penstemon whippleanus* A. Gray [TYPE: *Bigelow 971* GH; Sandia Mts.] DUSKY PENSTEMON.
Mixed conifer and subalpine forests.
W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003. **APG-2003 Plantaginaceae**
- Scrophularia montana* Woot. [*Sivinski 3197* UNM; Sandia Ski Basin] MOUNTAIN FIGWORT.
Mixed conifer and subalpine forests. Bedker 1966, M&H 1975, Jercinovic 2003.
- « *Synthyris plantaginea* (James) Benth. » ROCKY MOUNTAIN KITTEN'S-TAIL; reported by M&H (1975) as *Besseyia plantaginea* – needs specimen verification. **APG-2003 Plantaginaceae**
- **Verbascum thaspus* L. [*Hutchins 2403* UNM; Sandia, E-slope, 9000'] WOOLY MULLEIN.
Roadsides and other disturbed ground from piñon-juniper woodland up to subalpine forest.
Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Veronica americana* Schwein. ex Benth. [*Tafeya 46* UNM; Sandia, Cienega Canyon] AMERICAN BROOKLIME.
Springs and creeks in ponderosa pine and mixed conifer forests.
Bedker 1966, M&H 1975, Jercinovic 2003. **APG-2003 Plantaginaceae**
- **Veronica anagallis-aquatica* L. [*Sivinski 4946* UNM; Manzanita, Sabino Canyon, 2200 m] BLUE SPEEDWELL.
Springs and creeks in foothill scrub up to ponderosa pine forest. Jercinovic 2003. **APG-2003 Plantaginaceae**
- Veronica peregrina* L. subsp. *xalapensis* (Kunth) Pennell [*Jercinovic s.n.* UNM; Manzano, Apache Canyon, 7150']
NECKWEED. Low areas that channel or collect rainfall in foothill scrub and piñon-juniper woodland.
W&S 1915, M&H 1975, Jercinovic 2003. **APG-2003 Plantaginaceae**

SIMAROUBACEAE Quassia Family

- **Ailanthus altissima* (P. Mill.) Swingle [*Sivinski 5331* UNM; Manzanita, Tijeras Creek] TREE-OF-HEAVEN.
Roadsides and valley bottoms in foothill scrub and piñon-juniper woodland. M&H 1975.

SOLANACEAE Nightshade or Potato Family

- « *Chamaesaracha coniodes* (Moric. ex Dunal) Britt. » GRAY FIVE-EYES; reported by M&H (1975) – needs specimen verification.
- Chamaesaracha coronopus* (Dunal) A. Gray [*Sivinski & Jercinovic 5661* UNM; Manzano, Priest Canyon]
GREEN-LEAF FIVE-EYES. Foothill scrub up to ponderosa pine forest. M&H 1975, Jercinovic 2003.
- **Datura quercifolia* H.B.K. [*Sivinski 5078* UNM; Sandia, near Juan Tabo Cabin] OAK-LEAF THORN-APPLE.
Sandy roadsides and arroyos in foothill scrub and piñon-juniper woodland. Bedker 1966.
- * « *Datura stramonium* L. » JIMSONWEED; reported by M&H (1975) – needs specimen verification.
- Datura wrightii* Regel [*Sivinski 5089* UNM; Sandia, Juan Tabo Picnic Area] SACRED THORN-APPLE.
Coarse soils in foothill scrub and piñon-juniper woodland. M&H 1975.
(*Datura metaloides* of some NM authors)
- Lycium pallidum* Miers [*Herrick 263* US; Sandia, Bear Canyon] PALE WOLFBERRY.
Foothill scrub and piñon-juniper woodland. Hitchcock 1932, M&H 1975, Jercinovic 2003.
- Physalis foetens* Poir. var. *neomexicana* (Rydb.) Waterfall [*Sivinski & Jercinovic 5647* UNM; Manzano Priest Canyon] NEW MEXICO GROUND-CHERRY. Swales and low spots that temporarily concentrate water in piñon-juniper woodland and ponderosa pine forest. M&H 1975.
- Physalis hederifolia* A. Gray var. *fendleri* (A. Gray) Cronq. [*Sivinski 5068* UNM; Sandia, Cañon de la Cueva, 6550']
IVY-LEAF GROUND-CHERRY. Foothill scrub and piñon-juniper woodland.
Bedker 1966, M&H 1975, Jercinovic 2003.

- Physalis heterophylla* var. *hederifolia* [Tafuya 70 UNM; Manzano, 6,700'] IVY-LEAF GROUND-CHERRY.
Piñon-juniper woodland. M&H 1975.
- « *Physalis heterophylla* Nees. » CLAMMY GROUND-CHERRY; reported by Ivey (2003) – needs specimen verification.
Not yet documented for New Mexico (Allred 2005a).
- Physalis longifolia* Nutt. [Jercinovic 123 UNM; Manzano, Apache Canyon] LONG-LEAF GROUND-CHERRY.
Foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003. (*P. virginiana* var. *sonorae*)
- « *Physalis virginiana* Miller var. *campaniforma* Waterfall » BELL-FLOWER GROUND-CHERRY; reported from the Manzano Mountains by Ivey (2003) – needs specimen verification. Otherwise, known only by the type collection from Indian Creek in the Sangre de Cristo Mountains.
- « *Quincula lobata* (Torr.) Raf. » CHINESE LANTERNS; reported by M&H (1975) as *Physalis lobata* – needs specimen verification.
- Solanum elaeagnifolium* Cav. [Sivinski 3134 UNM; Sandia, Cañon de las Huertas] SILVERLEAF NIGHTSHADE.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Jercinovic 2003.
- Solanum heterodoxum* Dunal var. *novomexicanum* Bartlett [Hutchins 2568 UNM; Sandia, east slope, 7500']
MELON-LEAF NIGHTSHADE. Piñon-juniper woodland and ponderosa pine forest. M&H 1975.
- Solanum jamesii* Torr. [Tafuya s.n. UNM; Manzanita Mts.] WILD POTATO. Piñon-juniper woodland.
M&H 1975, Jercinovic 2003.
- * « *Solanum saccharoides* Sendtner » HAIRY NIGHTSHADE; reported by Bedker (1966) as *Solanum physalifolium* – needs specimen verification.
- Solanum rostratum* Dunal [Cogswell 3 UNM; Sandia, Juan Tabo Arroyo] BUFFALO-BUR.
Arroyos and disturbed roadsides in foothill scrub and piñon-juniper woodland.
M&H 1975, Jercinovic 2003.
- Solanum triflorum* Nutt. [Sivinski 5081 UNM; Sandia, near Juan Tabo Cabin] CUT-LEAF NIGHTSHADE.
Disturbed soils and arroyos in foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975.

TAMARICACEAE Tamarisk Family

- **Tamarix chinensis* Loureiro [Sivinski 5332 UNM; Manzanita, Tijeras Creek near Tijeras] SALT CEDAR.
Roadsides and valley bottoms in foothill scrub and piñon-juniper woodland. Jercinovic 2003.
(*Tamarix ramosissima* of regional authors)
- * « *Tamarix gallica* L. » FRENCH TAMARISK; reported by M&H (1975) – needs specimen verification.
- **Tamarix parviflora* DC. [Sivinski 5316 UNM; Sandia, Tunnel Spring near Placitas] SMALL-FLOWER TAMARISK.
Spring seeps in piñon-juniper woodland.

ULMACEAE Elm Family

- Celtis laevigata* Willd. var. *reticulata* (Torr.) L. Benson [Sivinski 4897 UNM; Sandia, Juan Tabo picnic area]
NETLEAF HACKBERRY. Canyon bottoms in foothill scrub and piñon-juniper woodland.
M&H 1975, Ivey 2003. (*Celtis reticulata*) APG-2003 Cannabaceae
- **Ulmus pumila* L. [Tafuya s.n. UNM; Manzanita, Cedro Canyon] SIBERIAN ELM.
Roadsides and valley bottoms from foothill scrub up to mixed conifer forest. M&H 1975.

URTICACEAE Nettle Family

- * « *Urtica dioica* L. subsp. *gracilis* (Ait.) Seland. » STINGING NETTLE; reported by M&H (1975) and Jercinovic (2003) – needs specimen verification.

VALERIANACEAE Valerian Family

- Valeriana arizonica* A. Gray [Sivinski 4791 UNM; Sandia, Las Huertas Canyon, 2250 m] ARIZONA VALERIAN.
Piñon-juniper woodland up to mixed conifer forest. W&S 1915, M&H 1975, Ivey 2003, Jercinovic 2003.
(*Valeriana acutiloba* var. *ovata*)
- Valeriana edulis* Nutt. ex Torr. & Gray [Jercinovic 107 UNM; Manzano, 1 mi S of Bosque Peak] TOBACCO-ROOT.
Seeps and meadows in mixed conifer and subalpine forests. M&H 1975, Jercinovic 2003.

VERBENACEAE Vervain Family

- Aloysia wrightii* (A. Gray) Heller ex Abrams [Castetter 5116 UNM; Tijeras Canyon, 7000'] WRIGHT'S BEEBUSH.
Rocky slopes in foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975, Ivey 2003.
- Glandularia bipinnatifida* (Nutt.) Nutt. var. *bipinnatifida* [Tafuya s.n. UNM; Manzanita, Cedro Peak]
DAKOTA VERVAIN. Foothill scrub and piñon-juniper woodland.
Bedker 1966, M&H 1975, Jercinovic 2003. (*Verbena bipinnatifida*)

- Glandularia bipinnatifida* var. *ciliata* (Benth.) Turner [*Sivinski 4868* UNM; Manzanita, near Zamora] DAKOTA VERVAIN. Foothill scrub and piñon-juniper woodland. W&S 1915, M&H 1975. (*Verbena ambrosifolia*, *Verbena ciliata*, *Verbena wrightii*)
- Phyla cuneifolia* (Torr.) Greene [*Dittmer 5121* UNM; roadside near Manzano] WEDGELEAF. Low areas that collect rain runoff in piñon-juniper woodland.
- Verbena bracteata* Lag. & Rodr. [*Sivinski 4943* UNM; Manzano, Cañon Nuevo, 2450 m] CARPET VERVAIN. Foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003.
- Verbena macdougalii* Heller [*Tafoya s.n.* UNM; Manzano, 6700'] MACDOUGAL'S VERVAIN. Ponderosa pine and mixed conifer forests. W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.

VIOLACEAE Violet Family

- Hybanthus verticillatus* (Ortega) Baill. [*Sivinski & Lowrey 5697* UNM; Manzano, Priest Canyon] BABY-SLIPPERS. Foothill scrub and piñon-juniper woodland. M&H 1975.
- « *Viola adunca* Smith or Sm. » HOOKED VIOLET; reported by M&H (1975) – needs specimen verification.
- Viola canadensis* L. [*Tafoya 111* UNM; Sandia Crest] CANADIAN VIOLET. Mixed conifer and subalpine forest. W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Viola sororia* Willd. var. *affinis* (LeConte) Mckinney [*Sivinski 4895* UNM; Sandia, Cañon de las Huertas] KIDNEY-LEAVED VIOLET. Valley bottoms in ponderosa pine and mixed conifer forests. Bedker 1966, M&H 1975, Jercinovic 2003. (*Viola nephrophylla* var. *arizonica*)

VISCACEAE Mistletoe Family APG-2003 Santalaceae

- Arceuthobium divericatum* (Engelm.) Hawksworth & Wiens [*Wagner 1341* UNM; Sandia, Piedra Lisa Trail] PIÑON DWARF-MISTLETOE. Parasite on piñon pine branches. M&H 1975. (*Arceuthobium campylopodium* forma *divericatum*)
- Arceuthobium douglasii* Engelm. [*Riffle s.n.* UNM; Manzano Mts.] DOUGLAS-FIR DWARF-MISTLE-TOE. Parasite on branches of Douglas-fir.
- Arceuthobium vaginatum* (Willd.) J. Presl subsp. *cryptopodium* (Engelm.) Hawksworth & Wiens [*Lighle & Riffle s.n.* UNM; Manzano Mts.] PINELAND DWARF MISTLE-TOE. Parasite on branches of ponderosa pine, limber, and white pines. M&H 1975.
- Phoradendron juniperinum* Engelm. [*Sivinski 5074* UNM; Sandia, Cañon de la Cueva] JUNIPER MISTLETOE. Parasite of *Juniperus* trees. Bedker 1966, M&H 1975, Ivey 2003.
- Phorodendron macrophyllum* (Engelm.) Cockerell [*Sivinski 5714* UNM; Sandia, Tunnel Spring] YELLOW MISTLETOE. Parasite on cottonwood trees. (*Phorodendron flavescens* var. *macrophyllum*)

VITACEAE Grape Family

- « *Parthenocissus quinquefolia* (L.) Planch » VIRGINIA CREEPER; reported by Ivey (2003) – needs specimen verification.
- Parthenocissus vitacea* (Knerr) A.S. Hitch. [*Bedker 1014* UNM; Manzano, Nuevo Canyon, 7200'] THICKET CREEPER. Canyon bottoms in foothill scrub up to ponderosa pine forest. W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003. (*Parthenocissus inserta*)
- Vitis arizonica* Engelm. [*Tafoya 35* UNM; Manzanita, Tijeras Canyon] CANYON GRAPE. Canyon bottoms in foothill scrub up to ponderosa pine forest. W&S 1915, Bedker 1966, M&H 1975.

ZYGOPHYLLACEAE Caltrop Family

- « *Kallstroemia californica* (S. Wats.) Vail » CALIFORNIA CALTROP; reported by Bedker (1966) and M&H (1975) – needs specimen verification. Possibly misidentified *Kallstroemia parviflora*.
- Kallstroemia parviflora* Norton [*Sivinski & Jercinovic 5664* UNM; Manzano, Priest Canyon] WARTY CALTROP. Foothill scrub and piñon-juniper woodland. M&H 1975.
- **Tribulus terrestris* L. [*Sivinski 3233* UNM; Manzanita, Tijeras Pueblo ruin] PUNCTURE VINE. Disturbed ground in foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975.

ANGIOSPERMS: MONOCOTYLEDONS

AGAVACEAE Agave Family

Yucca baccata Torr. [Bedker 1451 UNM; Manzano] DATIL. Foothill scrub to ponderosa pine forest.

Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.

Yucca glauca Nutt. [Sivinski 5321 UNM; Sandia, near Tunnel Spring, P-J] PLAINS YUCCA.

Foothill scrub and piñon-juniper woodland. M&H 1975, Jercinovic 2003.

A few plants in the Manzano Mountains have a slightly branching inflorescence or short-caulescent base indicating a northern limit of the hybridization gradient with *Yucca elata* Engelm.

ALISMATACEAE Water Plantain Family

Sagittaria cuneata Sheldon [Jennings s.n. UNM; Manzano] ARUM-LEAF ARROWHEAD.

Ponds or slow-moving water.

« *Sagittaria graminea* Michx. » GRASSY ARROWHEAD; reported by M&H (1975) – needs specimen verification.

« *Sagittaria latifolia* Willd. » DUCK POTATO; reported by M&H (1975) – needs specimen verification.

COMMELINACEAE Spiderwort Family

Commelina dianthifolia Delile [Bedker 487 UNM; Manzano] BIRD-BILL DAYFLOWER.

Piñon-juniper woodland and ponderosa pine forest. Bedker 1966, M&H 1975, Jercinovic 2003.

CYPERACEAE Sedge Family

Carex duriuscula C.A. Meyer [Sivinski 5727 UNM; Sandia, Cañon del Agua, 2200 m] SPIKE-RUSH SEDGE.

Rocky meadows and ridges from piñon-juniper woodland up to subalpine forest. (*Carex eleocharis*)

Carex geophila Mackenzie [Wagner 93 UNM; Manzano, 4th of July Canyon] WHITE MOUNTAIN SEDGE.

Piñon-juniper woodland and ponderosa pine forest.

Carex microptera Mackenzie [Sivinski 4892 UNM; Sandia, wet swale near ski lodge] SMALL-WING SEDGE.

Moist soil in mixed conifer and subalpine forests. Bedker 1966. (*Carex festivella*)

Carex occidentalis Bailey [Dunbar 602 UNM; Sandia, Kiwanis Meadow] NEW MEXICO SEDGE.

Ponderosa pine forest up to subalpine forest. Bedker 1966, M&H 1975.

Carex pellita Muhl. ex Willd. [Sivinski & Carter 4955 UNM; Sandia, Cañon Cienega] WOOLY SEDGE.

Wet soils in valley bottoms of ponderosa pine forest. M&H 1975. (*Carex lanuginosa*)

Carex wootonii Mackenzie [Sivinski 4558 UNM; Sandia, just E of Crest] WOOTON'S SEDGE.

Rocky meadows in subalpine forest.

« *Cyperus esculentus* L. » YELLOW NUT-SEDEGE; reported by M&H (1975) – needs specimen verification.

Cyperus fendlerianus Boeckl. [Bedker 445 UNM; Manzano Mts.] FENDLER'S FLAT-SEDEGE.

Piñon-juniper woodland and ponderosa pine forest. Bedker 1966, M&H 1975.

« *Eleocharis montana* (Kunth) Roemer & J.A. Schultes » MOUNTAIN SPIKE-RUSH; reported by M&H (1975) – needs specimen verification.

« *Eleocharis palustris* (L.) Roemer & J.A. Schultes » MARSHY SPIKE-RUSH; reported by Bedker (1966) – needs specimen verification. The Bedker collection at UNM is an indeterminate specimen.

Eleocharis parishii Britt. [Sivinski & Lowrey 5619 UNM; Manzano, Pine Shadow Spring, 2200m]

PARISH'S SPIKE-RUSH. Wet soil around springs in piñon-juniper woodland and ponderosa pine forest.

Eleocharis rostellata (Torr.) Torr. [Sivinski 5235 UNM; Sandia, Tunnel Spring near Placitas] BEAKED SPIKE-RUSH.

Wet soil around springs in piñon-juniper woodland.

Schoenoplectus acutus (Muhl. ex Bigelow) A. Löve & D. Löve var. *occidentalis* (S. Wats.) S.G. Smith

[Sivinski & Carter 4963 UNM; Sandia, Cienega Canyon] HARD-STEM BULRUSH.

Wet soil around springs in piñon-juniper woodland and ponderosa pine forest. (*Scirpus acutus*)

Schoenoplectus pungens (Vahl) Palla var. *longispicatus* (Britt.) S.G. Smith [Wagner 1332 UNM; Sandia,

Piedra Lisa Trail] THREE-SQUARE BULRUSH. Wet soil around springs in piñon-juniper woodland.

(*Scirpus americanus* of some regional authors)

Scirpus pallidus (Britt.) Fern. [Sivinski et al. 3341 UNM; Sandia, Sulfur Canyon] PALE BULRUSH.

Wet soil around springs in ponderosa pine forest.

IRIDACEAE Iris Family

Iris missouriensis Nutt. [Clark s.n. UNM; Sandia Mts.] ROCKY MOUNTAIN IRIS.

Meadows in mixed conifer and subalpine forests. M&H 1975.

- Sisyrinchium demissum* Greene [*Jackson 2099* UNM; Sandia, Embudo Canyon] STIFF BLUE-EYED-GRASS.
Spring seeps and riparian margins in foothill scrub and piñon-juniper woodland.
Bedker 1966, M&H 1975, Jercinovic 2003.
- « *Sisyrinchium idahoense* Bickn. var. *occidentale* (Bickn.) D. Henderson » WESTERN BLUE-EYED-GRASS; reported by M&H (1975)
– needs specimen verification.
- Sisyrinchium montanum* Greene [*Bedker 1045* UNM; Manzano, Nuevo Canyon, stream side]
MOUNTAIN BLUE-EYED-GRASS. Stream sides and wet meadows in ponderosa pine and mixed conifer forests.

JUNCACEAE Rush Family

- Juncus arcticus* Willd. var. *balticus* (Willd.) Trautv. [*Sivinski 3234* UNM; Manzanita; Tijeras Spring] BALTIC RUSH.
Spring seeps in foothill scrub and piñon-juniper woodland. M&H 1975. (*Juncus balticus* var. *montanus*)
- Juncus dudleyi* Wieg. [*Sivinski & Lowrey 5618* UNM; Manzano, Pine Shadow Spring, 2200m] DUDLEY'S RUSH.
Spring seeps and riparian margins in piñon-juniper woodland and ponderosa pine forest.
M&H 1975. (*Juncus tenuis* var. *dudleyi*)
- Juncus ensifolius* Wikst. var. *montanus* (Engelm.) C.L. Hitchc. [*Wagner 520* UNM; Manzanita, Sol Se Mete Canyon, spring seep, 6850'] ROCKY MOUNTAIN RUSH. Spring seeps and riparian margins from piñon-juniper woodland up to mixed conifer forest. Bedker 1966, M&H 1975. (*Juncus saximontanus*)
- « *Juncus interior* Wieg. » INLAND RUSH; reported by M&H (1975) – needs specimen verification.
- Juncus longistylis* Torr. [*Dunbar 19* UNM; Sandia, Tunnel Spring] LONG-STYLE RUSH.
Spring seeps in foothill scrub and piñon-juniper woodland. M&H 1975.
- Juncus torreyi* Coville [*Wagner 1331* UNM; Sandia, Piedra Lisa Trail] TORREY'S RUSH.
Spring seeps in foothill scrub and piñon-juniper woodland. M&H 1975.

LILIACEAE Lily Family

- « *Allium bisceptrum* S. Wats. » ASPEN ONION; reported by M&H (1975) as *A. palmeri* – needs specimen verification.
- Allium cernuum* Roth. [*Sivinski 3171* UNM; Sandia, east slope] NODDING ONION.
Ponderosa pine and mixed conifer forests.
W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003, Sivinski 2003a. **APG-2003 Alliaceae**
- Allium geyeri* S. Wats. [*Sivinski 3186* UNM; Sandia Crest] GEYER'S ONION.
Rock outcrops and meadows from piñon-juniper woodland up to subalpine forest.
W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003, Sivinski 2003a. **APG-2003 Alliaceae**
- Allium macropetalum* Rydb. [*Wagner and Sabo 2831* UNM; Sandia, W-side] DESERT ONION.
Foothill scrub and piñon-juniper woodland.
M&H 1975, Jercinovic 2003, Sivinski 2003a. **APG-2003 Alliaceae**
- « *Allium textile* A. Nels. & J.F. Macbr. » WHITE WILD ONION; reported by M&H (1975) – needs specimen verification.
- Anticlea elegans* (Pursh) Rydb. [*Sivinski 3182* UNM; Sandia Crest] MOUNTAIN DEATHCAMAS.
Mixed conifer and subalpine forest, often under aspen.
M&H 1975. (*Zigadenus elegans*) **APG-2003 Melanthiaceae**
- « *Anticlea virescens* Rydb. » GREEN DEATHCAMAS; reported by M&H (1975) as *Zigadenus virescens* – needs specimen verification.
- **Asparagus officinalis* L. [*Dunbar 17* UNM; Sandia Mts.] ASPARAGUS.
Valley bottoms and roadsides in piñon-juniper woodland and ponderosa pine forest.
M&H 1975, Jercinovic 2003. **APG-2003 Asparagaceae**
- Calochortus gunnisonii* S. Wats. [*Sivinski 5031* UNM; South Sandia Peak] GUNNISON'S MARIPOSA-LILY.
Mixed conifer and subalpine forests. Petals white in our range.
Bedker 1966, M&H 1975, Ivey 2003, Jercinovic 2003.
- Echeandia flavescens* (J.A. & J.H. Schultes) Cruden [*Bedker 484* UNM; Manzano Mts.] CRAG-LILY.
Piñon-juniper woodland and ponderosa pine forest.
Bedker 1966, M&H 1975, Jercinovic 2003. (*Anthericum torreyi*) **APG-2003 Agavaceae**
- Maianthemum racemosum* (L.) Link [*Bedker 890* UNM; Manzano Mts.] FALSE SOLOMON'S-SEAL.
Mixed conifer and subalpine forests.
W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003. (*Smilacina racemosa*) **APG-2003 Ruscaceae**
- Maianthemum stellatum* (L.) Link [*Castetter 10235* UNM; Sandia Mts.] STARRY FALSE SOLOMON'S-SEAL.
Ponderosa pine and mixed conifer forests. M&H 1975, Ivey 2003, Jercinovic 2003. (*Smilacina stellata*)
APG-2003 Ruscaceae
- « *Toxicoscordion paniculatum* (Nutt.) S. Wats. » SAND CORN; reported by M&H (1975) as *Zigadenus paniculatus* – needs specimen verification. **APG-2003 Melanthiaceae**

Veratrum californicum Durand [Jercinovic 113 UNM; Manzano, Escondido Spring] WESTERN SKUNK-CABBAGE.
Wet meadows in mixed conifer and subalpine forests.
Bedker 1966, M&H 1975, Jercinovic 2003. APG-2003 Melanthiaceae

NOLINACEAE Nolina Family APG-2003 Ruscaceae

Nolina greenei S. Wats. [Sivinski 4384 UNM; Sandia, W-slope] GREENE'S SACAUISTA.
Foothill scrub and piñon-juniper woodland. (*Nolina texana*, in part, of many regional authors)
« *Nolina microcarpa* S. Wats. » SACAUISTA; reported by M&H (1975) and Ivey (2003) – needs specimen verification.

ORCHIDACEAE Orchid Family

Calypso bulbosa (L.) Oakes var. *americana* (R. Brown ex Aiton f.) Luer [Martin 4850 UNM; Manzano Mts.] FAIRY-SLIPPER ORCHID. Mixed conifer and subalpine forests.
W&S 1915, Bedker 1966, M&H 1975, Jercinovic 2003.
Corallorhiza maculata Raf. var. *maculata* [Dittmer 3514 UNM; Sandia Mts.] SPOTTED CORAL-ROOT.
Ponderosa pine forest up to subalpine forest. M&H 1975, Ivey 2003, Jercinovic 2003.
Corallorhiza maculata var. *occidentalis* (Lindl.) Ames [Fletcher 3970 UNM; Sandia, near ski area] SPOTTED CORAL-ROOT. Mixed conifer forest.
Corallorhiza striata Lindl. var. *vreelandii* (Rydb.) L.O. Williams [Hutchins 2379 UNM; Sandia Mts.] HOODED CORAL-ROOT. Mixed conifer forest. M&H 1975, Ivey 2003, Jercinovic 2003.
« *Cypripedium parviflorum* Salisbury var. *pubescens* (Willd.) Knight » YELLOW LADIES-SLIPPER; reported by M&H (1975) as *Cypripedium calceolus* – needs specimen verification.
Epipactis gigantea Dougl. [Sivinski 5234 UNM; Sandia, Tunnel Spring near Placitas] GIANT HELLEBORINE.
Spring seeps and wet calcareous soils in piñon-juniper woodland.
Goodyera oblongifolia Raf. [Durflinger s.n. UNM; Sandia Mts.] GREEN RATTLESNAKE PLANTAIN.
Shaded understory in mixed conifer and subalpine forests.
W&S 1915, M&H 1975, Ivey 2003, Jercinovic 2003.
Platanthera sparsiflora (S. Wats.) Schlechter [Clark s.n. UNM; Sandia, Las Huertas Canyon] CANYON BOG-ORCHID.
Wet riparian soils in piñon-juniper woodland and ponderosa pine forest.
Bedker 1966, M&H 1975, Ivey 2003. (*Habenaria sparsiflora*)

POACEAE Grass Family

Achnatherum lettermanii (Swallen) Barkworth [Sivinski & Cox 5014 UNM; Sandia, Cañon Hondo] LETTERMAN'S NEEDLEGRASS. Piñon-juniper and ponderosa pine forest. M&H 1975. (*Stipa lettermanii*)
Achnatherum lobatum (Swallen) Barkworth [Wagner 440 UNM; Manzanita, 7000'] LITTLEAWN NEEDLEGRASS.
Piñon-juniper woodland. (*Stipa lobata*)
Achnatherum perplexum Hoge & Barkworth [TYPE: Barkworth 4764 US, Manzanita, near Oak Flats] SUBALPINE NEEDLEGRASS. Piñon-juniper woodland and ponderosa pine forest. Barkworth 1993.
(*Stipa columbiana* of some NM authors)
Achnatherum robustum (Vasey) Barkworth [Sivinski 5058 UNM; Sandia, Cañon de las Huertas] SLEEPYGRASS.
Valley bottoms and roadsides in piñon-juniper woodland up to mixed conifer forest. M&H 1975.
(*Stipa robusta*)
Achnatherum scribneri (Vasey) Barkworth [Bedker 1495 UNM; Manzano, 7800'] SCRIBNER'S NEEDLEGRASS.
Piñon-juniper woodland and ponderosa pine forest. Bedker 1966, M&H 1975. (*Stipa scribneri*)
**Aegilopsis cylindrica* Host [Sivinski 4880 UNM; Manzanita, Tijeras, disturbed roadside] JOINTED GOATGRASS.
Roadsides and other disturbed ground from foothill scrub up to ponderosa pine forest.
**Agropyron cristatum* (L.) Gaertner subsp. *desertorum* (Fischer ex link) Löve [Bedker 946 UNM; Manzano, De la Vereda Canyon] DESERT CRESTED WHEATGRASS.
Roadsides where purposely seeded. Ivey 2003. (*Agropyron desertorum*)
**Agropyron cristatum* subsp. *fragile* (Roth) Löve [Allred 7492 NMCR, Sandia, Cienega Canyon] SIBERIAN CRESTED WHEATGRASS. Roadsides and other disturbed ground where planted.
Bedker 1966, M&H 1975.
« *Agrostis exarata* Trin. var. *minor* Hook. » SPIKE BENTGRASS; reported by M&H (1975) – needs specimen verification.
**Agrostis gigantea* Roth [Bedker 497 UNM; Manzano, Torreon Canyon, 7000'] REDTOP.
Valley bottoms from piñon-juniper woodland up to subalpine forest.
Bedker 1966, M&H 1975. (*Agrostis alba* of many authors)

- Agrostis idahoensis* Nash [Dunbar 310 UNM; Sandia, Kiwanis meadow, 10400'] IDAHO BENTGRASS.
Meadows in subalpine forest.
- Agrostis scabra* Willd. [Sivinski 3226 UNM; Manzano, Cañon Colorado] ROUGH BENTGRASS.
Meadows and canyon bottoms in ponderosa pine and mixed conifer forests.
W&S 1915, Bedker 1966, M&H 1975.
- **Agrostis stolonifera* L. [Sivinski 4945 UNM; Manzanita, Sabino Canyon, 2200 m] CREEPING BENTGRASS.
Valley bottoms and wet soils in piñon-juniper woodland up to mixed conifer forest.
W&S 1915, M&H 1975. (*Agrostis palustris*)
- « *Alopecurus geniculatus* L. » WATER FOXTAIL; reported by M&H (1975) – needs specimen verification.
- Andropogon gerardii* Vitman [Bedker 496 UNM; Manzano, Torreon Canyon, 7000'] BIG BLUESTEM.
Piñon-juniper woodland and ponderosa pine forest. Ivey 2003.
- Aristida adscensionis* L. [Sivinski & Jercinovic 5637 UNM; Manzano, Priest Canyon] SIX-WEEKS THREEAWN.
Foothill scrub. M&H 1975.
- Aristida arizonica* Vasey [Jercinovic 361 UNM; Manzano, Apache Canyon, 7200'] ARIZONA THREEAWN.
Piñon-juniper woodland. M&H 1975.
- Aristida divaricata* Humb. & Bonpl. ex Willd. [Sivinski & Jercinovic 5656 UNM; Manzano, Priest Canyon]
POVERTY THREEAWN. Foothill scrub and piñon-juniper woodland. M&H 1975.
- Aristida havardii* Vasey [Sivinski & Jercinovic 5677 UNM; Manzano, Priest Canyon] HAVARD'S THREEAWN.
Foothill scrub and piñon-juniper woodland. (*Aristida barbata*)
- Aristida purpurea* Nutt. var. *fendleriana* (Steud.) Vasey [Wagner 442 UNM; Manzanita, 6600']
FENDLER'S THREEAWN. Foothill scrub and piñon-juniper woodland. M&H 1975. (*Aristida fendleriana*)
- Aristida purpurea* var. *longiseta* (Steud.) Vasey [Sivinski 4856 UNM; Sandia, north foothill near Placitas]
RED THREEAWN. Foothill scrub and piñon-juniper woodland. M&H 1975. (*Aristida longiseta*)
- Aristida purpurea* var. *nealleyi* (Vasey) Allred [Polechia 269 UNM; Sandia, near Placitas] NEALLEY'S THREEAWN.
Foothill scrub and piñon-juniper woodland. (*Aristida glauca*)
- « *Aristida purpurea* var. *purpurea* » PURPLE THREEAWN; reported by M&H (1975) – needs specimen verification.
- Aristida purpurea* var. *wrightii* (Nash) Allred [Castetter 10426 UNM; Sandia, Cañon de la Cueva]
WRIGHT'S THREEAWN. Foothill scrub and piñon-juniper woodland. M&H 1975. (*Aristida wrightii*)
- * « *Avena fatua* L. » WILD OATS; reported by M&H (1975) – needs specimen verification.
- « *Beckmannia syzigachne* (Steud.) Fernald » AMERICAN SLOUGHGRASS; reported by M&H (1975) – needs specimen verification.
- Blepharoneuron tricholepis* (Torr.) Nash [TYPE: Bigelow 986 GH, NY; Sandia Mts.] PINE DROPSEED.
Ponderosa pine and mixed conifer forests. W&S 1915, Bedker 1966, M&H 1975.
- Bothriochloa barbinodis* (Lag.) Herter [Rominger 2554 UNM; Sandia, La Cueva Campground] CANE BLUESTEM.
Foothill scrub and piñon-juniper woodland. (*Andropogon barbinodis*)
- **Bothriochloa ischaemum* (L.) Keng [Sivinski 5082 UNM; Sandia, road to Juan Tabo Picnic Area, 6300']
YELLOW BLUESTEM. Disturbed roadsides in foothill scrub and piñon-juniper woodland.
- Bothriochloa laguroides* (DC.) Herter var. *torreyana* (Steud.) Allred & Gould [Sivinski 3151 UNM; Las Huertas]
SILVER BLUESTEM. Foothill scrub and piñon-juniper woodland.
(*Andropogon saccharoides* of some NM authors)
- Bothriochloa springfieldii* (Gould) Parodi [Sivinski & Jercinovic 5675 UNM; Manzano, Priest Canyon]
SPRINGFIELD'S BLUESTEM. Foothill scrub.
- Bouteloua aristidoides* (Kunth) Griseb. [Nielsen & Abbott 59 UNM; Sandia] NEEDLE GRAMA.
Foothill scrub. M&H 1975.
- Bouteloua barbata* Lag. [Nielsen & Abbott 69 UNM; Sandia] SIXWEEKS GRAMA.
Foothill scrub and piñon-juniper woodland. M&H 1975.
- Bouteloua curtipendula* (Michx.) Torr. [Castetter 2645 UNM; Sandia, Embudo Canyon] SIDEOATS GRAMA.
Foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975.
- Bouteloua eriopoda* (Torr.) Torr. [Shartzler & Talbot 6-21 UNM; Manzano, 6500'] BLACK GRAMA.
Foothill scrub and piñon-juniper woodland. M&H 1975.
- Bouteloua gracilis* (Willd. ex Kunth) Lag. ex Griffiths [Bedker 366 UNM; Manzano, Red Canyon] BLUE GRAMA.
Foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975.
- Bouteloua hirsuta* Lag. [Shartzler & Talbot 4-21 UNM; Manzano, 6,500'] HAIRY GRAMA.
Foothill scrub and piñon-juniper woodland. M&H 1975.
- Bouteloua simplex* Lag. [Sivinski 5150 UNM; Manzanita, Zamora] MAT GRAMA.
Disturbed ground in foothill scrub and piñon-juniper woodland. M&H 1975.

- Bromus anomalus* Rupr. ex Fourn. [*Boone 53* UNM; Sandia, Lagunita Spring] NODDING BROME.
Ponderosa pine and mixed conifer forest. Allred 1993, Bedker 1966, M&H 1975.
- Bromus carinatus* Hook. & Arn. [*Allred 7503* NMCR; Sandia Crest] MOUNTAIN BROME.
Mixed conifer and subalpine forests. W&S 1915, Bedker 1966, M&H 1975.
- **Bromus catharticus* Vahl [*Sivinski & Jercinovic 5654* UNM; Manzano, Priest Canyon] RESCUEGRASS.
Roadsides and other disturbed ground.
- Bromus ciliatus* L. [*Allred 7502* NMCR; Sandia Crest] FRINGED BROME.
Ponderosa pine forest up to subalpine forest. Allred 1993, Bedker 1966, M&H 1975, Ivey 2003.
- Bromus frondosus* (Shear) Woot. & Standl. [*Greenwall 157* UNM; Sandia] WEEPING BROME.
Ponderosa pine and mixed conifer forests. Allred 1993, Bedker 1966, M&H 1975.
- **Bromus inermis* Leysser [*Sivinski 4883* UNM; Manzanita, Tijeras, disturbed roadside] SMOOTH BROME.
Piñon-juniper woodland up to disturbed ground in subalpine forest.
- **Bromus japonicus* Thunb. ex Murr. [*Sivinski 4901* UNM; Sandia, Placitas] JAPANESE BROME.
Arroyos and disturbed soils in foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975.
- Bromus lanatipes* (Shear) Rydb. [*Herrick s.n.* NMC; Sandia] SHAGGY BROME.
Piñon-juniper woodland up to mixed conifer forest. Allred 1993.
- Bromus porteri* (Coulter) Nash [*Carter s.n.* NMC; Sandia Crest] PORTER'S BROME.
Mixed conifer and subalpine forest. Allred 1993.
- **Bromus tectorum* L. [*Sivinski 4729* UNM; Manzanita, Tijeras] CHEATGRASS.
Arroyos and roadsides in foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975.
- Buchloe dactyloides* (Nutt.) Engelm. [*Sivinski 4886* UNM; Sandia, Sandia Park] BUFFALOGRASS.
Swales in piñon-juniper woodland.
- Cenchrus spinifex* Cav. [*Sivinski & Jercinovic 5646* UNM; Manzano, Priest Canyon] SANDBUR.
Roadsides and disturbed soils in foothill scrub and piñon-juniper woodland.
(*Cenchrus incertus*, *Cenchrus pauciflorus* in part)
- Chloris verticillata* Nutt. [*Sivinski 4887* UNM; Sandia Park] TUMBLE WINDMILLGRASS.
Disturbed ground in foothill scrub and piñon-juniper woodland. M&H 1975.
- **Chloris virgata* Sw. [*Sivinski 5055* UNM; Sandia, Placitas] SHOWY WINDMILLGRASS.
Roadsides and disturbed ground in foothill scrub and piñon-juniper woodland. M&H 1975.
- Cinna latifolia* (Trev. ex Goepf.) Griseb.; DROOPING WOODREED. W&S 1915, M&H 1975. Tentatively accepted.
W&S (1915) specimen evident, but not located.
- * « *Cynodon dactylon* (L.) Pers. » BERMUDAGRASS; reported by M&H (1975) – needs specimen verification.
- **Dactylis glomerata* L. [*Sivinski 3193* UNM; Sandia, near crest] ORCHARDGRASS.
Valley bottoms and disturbed soils in ponderosa pine forest up to subalpine forest. M&H 1975.
- Danthonia parryi* Scribn. [*Sivinski 3184* UNM; Sandia Crest, spruce-fir] PARRY'S DANTHONIA.
Mixed conifer and subalpine forest.
- « *Danthonia spicata* (L.) Beauv. ex Roemer & J.A. Schultes » POVERTY OATGRASS; reported by M&H (1975) – needs specimen verification.
- Dasyochloa pulchella* (Kunth) Steudel [*Sivinski 3143* UNM; Sandia, Las Huertas] FLUFFGRASS.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975.
(*Erioneuron pulchellum*, *Tridens pulchellus*)
- « *Deschampsia caespitosa* (L.) Beauv. » HAIRGRASS; reported by M&H (1975) – needs specimen verification.
- Digitaria californica* (Benth.) Henr. [*Sivinski 5180* UNM; Sandia, Cañon Embudito] ARIZONA COTTONTOP.
Foothill scrub. M&H 1975. (*Trichachne californica*)
- **Echinochloa crus-galli* (L.) Beauv. [*Jones 54-19* UNM; Sandia, Embudo Cave Trail] LARGE BARNYARDGRASS.
Foothill scrub and piñon-juniper woodland.
- « *Elymus arizonicus* (Scribn. & J.G. Sm.) Gould » ARIZONA WHEATGRASS; reported by M&H (1975) – needs specimen verification.
- Elymus bakeri* (E. Nels.) A. Love; BAKER'S WHEATGRASS. W&S 1915, M&H 1975. Tentatively accepted.
W&S (1915) specimen apparent, but not located. (*Agropyron bakeri*)
- Elymus canadensis* L. [*Sivinski 4908* UNM; Manzano, Cañon Nuevo, 2200 m] CANADA WILDRYE.
Valley bottoms in piñon-juniper woodland up to mixed conifer forest. Bedker 1966, M&H 1975.
- Elymus glaucus* Buckl. [*Bedker 668* UNM; Manzano, Kaiser Mill Canyon, 9,200'] BLUE WILDRYE.
Mixed conifer forest. Bedker 1966.
- **Elymus hispidus* (Opiz) Melderis [*Sivinski & Carter 4952* UNM; Sandia, Cienega Canyon]
INTERMEDIATE WHEATGRASS. Roadsides and disturbed soils where planted. (*Agropyron intermedium*)

- Elymus longifolius* (Smith) Gould [*Sivinski 4762* UNM; Sandia, Carnuel in Tijeras Canyon]
LONGLEAF-SQUIRRELTAIL. Foothill scrub up to ponderosa pine forest.
W&S 1915, Bedker 1966, M&H 1975. (*Sitanion hystrix*)
- Elymus xseudorepens* (Scrib. & Smith) Barkw. & Dewey [*Sivinski 4912* UNM; Manzano, Cañon Nuevo, 2400 m]
FALSE QUACKGRASS. Piñon-juniper woodland and ponderosa pine forest.
- Elymus smithii* (Rydb.) Gould [*Sivinski 4902* UNM; Sandia, near Placitas] WESTERN WHEATGRASS.
Foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975. (*Agropyron smithii*)
- « *Elymus spicatus* (Pursh) Gould » BLUEBUNCH WHEATGRASS; reported by M&H (1975) as *Agropyron spicatum* – needs specimen verification.
- Elymus trachycaulus* (Link) Gould ex Shinners subsp. *subsecundus* (Link) A.&D. Löve [*Allred 7515* NMCR; Sandia Crest] BEARDED WHEATGRASS. Mixed conifer and subalpine forests. (*Agropyron subsecundum*)
- Elymus trachycaulus* subsp. *trachycaulus* [*Sivinski 4871* UNM; Manzanita, Zamora, disturbed roadside]
SLENDER WHEATGRASS. Roadsides and valley bottoms in piñon-juniper woodland up to mixed conifer forest.
W&S 1915, M&H 1975. (*Agropyron trachycaulum*)
- Elymus trachycaulus* subsp. *violaceus* (Hornem.) A.&D. Löve [*Sivinski 3165* UNM; Sandia Crest]
PURPLE WHEATGRASS. Mixed conifer and subalpine forests.
- Enneapogon desvauxii* Beauv. [*Woodmansee 54* UNM; Sandia, above Placitas] SPIKE PAPPUSGRASS.
Foothill scrub and piñon-juniper woodland. M&H 1975.
- **Eragrostis barrelieri* Daveau [*Sivinski & Jercinovic 5667* UNM; Manzano, Priest Canyon]
MEDITERRANEAN LOVEGRASS. Disturbed ground in foothill scrub and piñon-juniper woodland.
- **Eragrostis cilianensis* (All.) Lut. ex Janchen [*Sivinski & Jercinovic 5636* UNM; Manzano, S. of Pine Shadow]
STINKGRASS. Disturbed soils in foothill scrub up to ponderosa pine forest. M&H 1975.
- **Eragrostis curvula* (Schrad.) Nees. [*Sivinski & Jercinovic 5674* UNM; Manzano, Priest Canyon]
WEEPING LOVEGRASS. Roadsides and arroyos in piñon-juniper woodland and ponderosa pine forest.
- Eragrostis intermedia* A.S. Hitchc. [*Sivinski & Jercinovic 5643* UNM; Manzano, Priest Canyon] PLAINS LOVEGRASS.
Piñon-juniper woodland.
- « *Eragrostis mexicana* (Hornem.) Link » MEXICAN LOVEGRASS; reported by M&H (1975) – needs specimen verification.
- Eragrostis pectinacea* (Michx.) Nees ex Steud. [*Sivinski 5152* UNM; Manzanita, near Zamora]
CAROLINA LOVEGRASS. Roadsides and arroyos in piñon-juniper woodland.
- « *Eragrostis pilosa* (L.) Beauv. » INDIAN LOVEGRASS; reported by M&H (1975) – needs specimen verification.
- Erioneuron pilosum* (Buckl.) Nash [*Sivinski 4381* UNM; Sandia Mts.] HAIRY TRIDENS.
Foothill scrub and piñon-juniper woodland. M&H 1975. (*Tridens pilosus*)
- Festuca arizonica* Vasey [*Allred 7519* NMCR; Sandia Crest] ARIZONA FESCUE.
Ponderosa pine forest up to subalpine forest. M&H 1975, Allred 2005c.
- Festuca brachyphylla* J.A. Schultes subsp. *coloradensis* Fredericksen [*Allred 7517* NMCR; Sandia Crest]
SHORTLEAF FESCUE. Cliffs and rocky openings in subalpine forest.
M&H 1975, Ivey 2003. (*Festuca ovina* var. *brachyphylla*)
- **Festuca pratensis* Hudson [*Sivinski 4878* UNM; Manzanita, near Zamora] TALL FESCUE.
Roadsides and disturbed ground from piñon juniper woodland up to mixed conifer forest.
- Festuca saximontana* Rydb. [*Allred 7491* NMCR; Sandia, Cienega Canyon] MOUNTAIN FESCUE.
Ponderosa pine forest up to subalpine forest. Allred 2005c.
- Festuca sororia* Piper [*Sivinski 3173* NMCR; Sandia Crest] RAVINE FESCUE.
Rock outcrops and open areas in mixed conifer and subalpine forests. Bedker 1966, M&H 1975.
- Festuca thurberi* Vasey [*Sivinski 5736* UNM; W-face of Sandia Crest] THURBER'S FESCUE.
Mixed conifer and subalpine forests. W&S 1915, Bedker 1966, M&H 1975, Ivey 2003, Allred 2005c.
- « *Glyceria grandis* S. Wats. » AMERICAN MANNAGRASS; reported by M&H (1975) – needs specimen verification.
- Glyceria striata* (Lam.) A.S. Hitchc. [*Sivinski 3236* UNM; Sandia, Cañon de las Huertas] FOWL MANAGRASS.
Springs and riparian areas in piñon-juniper woodland up to mixed conifer forest. M&H 1975.
- Hesperostipa comata* (Trin. & Rupr.) Barkworth [*Sivinski 4874* UNM; Manzanita, near Zamora]
NEEDLE-AND-THREAD. Foothill scrub and piñon-juniper woodland. M&H 1975. (*Stipa comata*)
- Hesperostipa neomexicana* (Thurb.) Barkworth [*Sivinski 4382* UNM; Sandia, W-side] NEW MEXICO FEATHERGRASS.
Foothill scrub and piñon-juniper woodland. M&H 1975. (*Stipa neomexicana*)
- « *Hordeum brachyantherum* Nevski » MEADOW BARLEY; reported by M&H (1975) – needs specimen verification.
- Hordeum jubatum* L. subsp. *intermedium* Bowden [*Allred 7504* NMCR; Sandia Crest] FOXTAIL BARLEY.
Open areas in subalpine forest.

- Hordeum jubatum* subsp. *jubatum* [Sivinski 4865 UNM; Manzanita, Zamora] FOXTAIL BARLEY.
Roadsides and valley bottoms from foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975.
- **Hordeum murinum* L. subsp. *glaucum* (Steud.) Tselev [Sivinski 4731 UNM; Manzanita, near Tijeras] WALL BARLEY.
Disturbed soils in foothill scrub and piñon-juniper woodland.
- Hordeum pusillum* Nutt. [Sivinski 4673 UNM; Sandia, Carnuel] LITTLE BARLEY.
Coarse soils in foothill scrub and piñon-juniper woodland.
- Koeleria macrantha* (Ledeb.) J.A. Schultes [Sivinski 4916 UNM; Manzano, Cañon Nuevo, 2450 m] JUNEGRASS.
Piñon-juniper woodland up to mixed conifer forest.
Bedker 1966, M&H 1975, Ivey 2003. (*Koeleria cristata*)
- Leptochloa dubia* (Kunth) Nees [Sivinski 5083 UNM; Sandia, near Juan Tabo Picnic Area] GREEN SPRANGLETOP.
Rocky places in foothill scrub and piñon-juniper woodland. M&H 1975, Ivey 2003.
- Leymus ambiguus* (Buckl.) Pilger [Bedker 1089 UNM; Manzano Peak, 10000'] ROCKY MOUNTAIN WILDRYE.
Mixed conifer forest. Bedker 1966. (*Elymus ambiguus*)
- **Lolium perenne* L. [Sivinski 5617 UNM; Manzano, Pine Shadow Spring] PERENNIAL RYEGRASS.
Roadsides and other disturbed ground in piñon-juniper woodland up to mixed conifer forest.
- Lycurus phleoides* Kunth [Wagner 446 UNM; Manzanita, 6,500'] COMMON WOLFTAIL.
Piñon-juniper woodland. Bedker 1966, M&H 1975.
- Lycurus setosus* (Nutt.) C.G. Reeder [Sivinski 5072 UNM; Sandia, Cañon de la Cueva] BRISTLY WOLFTAIL.
Foothill scrub up to ponderosa pine forest.
- Melica porteri* Scribn. [Sivinski 3178 UNM; Sandia Crest] PORTER'S MELICA.
Rocky outcrops in mixed conifer and subalpine forests. W&S 1915, Bedker 1966, M&H 1975.
- Muhlenbergia arenacea* (Buckl.) A.S. Hitchc. [Sivinski & Jercinovic 5681 UNM; Manzano, Priest Canyon] EAR MUHLY. Flat areas with silty soil in foothill scrub. M&H 1975.
- Muhlenbergia arenicola* Buckl. [Castetter 10427 UNM; Sandia, Cañon de la Cueva] SAND MUHLY.
Coarse soils in foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975.
- Muhlenbergia asperifolia* (Nees & Mey. ex Trin.) Parodi [Sivinski 5183 UNM; Sandia, spring seep near Placitas] SCRATCHGRASS. Wet soils in foothill scrub and piñon-juniper woodland. M&H 1975.
- Muhlenbergia dubia* Fournier ex Hemsley [Sivinski & Lowrey 5624 UNM; Manzano, Pine Shadow Trail] PINE MUHLY. Piñon-juniper woodland and ponderosa pine forest.
« *Muhlenbergia emersleyi* Vasey » BULLGRASS; reported by M&H (1975) – needs specimen verification.
- Muhlenbergia fragilis* Swallen [Sivinski & Jercinovic 5663 UNM; Manzano, Priest Canyon] DELICATE MUHLY.
Arroyos and rocky clearings in piñon-juniper woodland of southern Manzano Mountains.
- Muhlenbergia longiligula* A.S. Hitchc. [Rominger 16 UNM; Sandia, W-side, 7000'] LONGTONGUE MUHLY.
Piñon-juniper woodland.
- Muhlenbergia montana* (Nutt.) A.S. Hitchc. [Sivinski 5029 UNM; South Sandia Peak] MOUNTAIN MUHLY.
Open areas in ponderosa pine and mixed conifer forests. Bedker 1966, M&H 1975.
- Muhlenbergia pauciflora* Buckl. [Sivinski & Cox 5015 UNM; Sandia, Cañon Hondo] NEW MEXICO MUHLY.
Rock outcrops and steep slopes from foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975.
- Muhlenbergia porteri* Scribn. ex Beal [Sivinski 5066 UNM; Sandia, Cañon de la Cueva] BUSH MUHLY.
Foothill scrub. M&H 1975.
« *Muhlenbergia pungens* Thurb. » SANDHILL MUHLY; reported by M&H (1975) – needs specimen verification.
- Muhlenbergia racemosa* (Michx.) B.S.P. [Sivinski 5177 UNM; Sandia, Cañon Embudito] GREEN MUHLY.
Sandy canyon bottoms from foothill scrub up to ponderosa pine forest. W&S 1915, M&H 1975.
- Muhlenbergia repens* (Presl) A.S. Hitchc. [Jercinovic 363 UNM; Manzano, Tajiique Canyon, 7,000'] CREEPING MUHLY. Silty soils in swales and valley bottoms in piñon-juniper woodland.
« *Muhlenbergia richardsonis* (Trin.) Rydb. » MAT MUHLY; reported by M&H 1975 – needs specimen verification.
« *Muhlenbergia sinuosa* Swallen » BARRENS MUHLY; reported by M&H (1975) – needs specimen verification.
« *Muhlenbergia straminea* A.S. Hitchc. » SCREWLEAF MUHLY; reported by M&H (1975) as *Muhlenbergia virescens* – needs specimen verification.
« *Muhlenbergia tenuifolia* (Kunth) Trin. » MESA MUHLY; reported by M&H (1975) as *Muhlenbergia monticola* – needs specimen verification.
- Muhlenbergia torreyi* (Kunth) A.S. Hitchc. ex Bush [Sivinski 5175 UNM; Sandia, Cañon Embudito] RING MUHLY.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975.
- Muhlenbergia wrightii* Vasey ex Coult. [Sivinski 5148 UNM; Manzanita, E of Zamora] SKIKE MUHLY.
Piñon-juniper woodland and ponderosa pine forest. M&H 1975.

- Munroa squarrosa* (Nutt.) Torr. [*Sivinski & Jercinovic 5644 UNM*; Manzano, Priest Canyon] FALSE BUFFALOGRASS.
Foothill scrub and piñon-juniper woodland. M&H 1975.
- Oryzopsis hymenoides* (Roemer & J.A. Schultes) Ricker. ex Piper [*Sivinski 4877 UNM*; Manzanita, Zamora]
INDIAN RICEGRASS. Sandy soils in foothill scrub and piñon-juniper woodland. M&H 1975.
- Oryzopsis micrantha* (Trin. & Rupr.) Thurber. [*Rominger 25 UNM*; Manzanita, Cedro Canyon]
LITTLESEED RICEGRASS. Piñon-juniper woodland and ponderosa pine forest. M&H 1975.
- Panicum bulbosum* Kunth [*Sivinski & Lowrey 5625 UNM*; Manzano, Pine Shadow Trail] BULB PANICUM.
Canyon bottoms in piñon-juniper woodland and ponderosa pine forest. Bedker 1966, M&H 1975.
- Panicum capillare* L. var. *brevifolium* Rydb. & Shear [*Sivinski 4915 UNM*; Manzano, Cañon Nuevo, 2350 m]
WITCHGRASS. Roadsides and other disturbed areas in piñon-juniper woodlands in piñon-juniper woodland and ponderosa pine forest. Bedker 1966, M&H 1975.
- Panicum hallii* Vasey [*Sivinski 5179 UNM*; Sandia, Cañon Embudito] HALL'S PANICUM.
Rocky slopes in foothill scrub and piñon-juniper woodland.
- « *Panicum havardii* Vasey » HAVARD'S PANICUM; reported by M&H (1975) – needs specimen verification.
- Panicum obtusum* Kunth [*Sivinski 5076 UNM*; Sandia, Cañon de la Cueva] VINE MESQUITE.
Low swales and roadsides in piñon-juniper woodland. M&H 1975.
- « *Panicum virgatum* L. » SWITCHGRASS; reported by M&H (1975) – needs specimen verification.
- « *Phleum alpinum* L. » ALPINE TIMOTHY; reported by M&H (1975) – needs specimen verification.
- **Phleum pratense* L. [*Sivinski 4962 UNM*; Sandia, Cañon Cienega] TIMOTHY.
Valley bottoms and roadsides in ponderosa pine and mixed conifer forests. M&H 1975.
- Piptochaetium pringlei* (Beal) Parodi [*Jercinovic 270 UNM*; Manzano, New Canyon, 8270'] PRINGLE'S NEEDLEGRASS.
Mixed conifer forest. (*Stipa pringlei*)
- Pleuraphis jamesii* Torr. [*Sivinski 4854 UNM*; Sandia, north foothill near Placitas] GALLETA.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975. (*Hilaria jamesii*)
- Poa arctica* R. Br. [*Allred 7514 NMCR*; Sandia Crest] ARCTIC BLUEGRASS. Subalpine forest.
M&H 1975, Soreng 1985.
- Poa arida* Vasey [*Sivinski 4788 UNM*; Sandia, alkaline spring seep near Placitas] PLAINS BLUEGRASS.
Wet soils in piñon-juniper woodland.
- Poa bigelovii* Vasey & Scribn. [*Bedker 1205 UNM*; Manzano, head of 4th of July Canyon, 8800']
BIGELOW'S BLUEGRASS. Rock outcrops from foothill scrub up to mixed conifer forest.
M&H 1975, Soreng 1985.
- **Poa compressa* L. [*Sivinski 4910 UNM*; Manzano, Cañon Nuevo, 2200 m] CANADA BLUEGRASS.
Canyon bottoms in piñon-juniper woodland up to mixed conifer forest. Soreng 1985.
- Poa fendleriana* (Steud.) Vasey var. *fendleriana*; [*Sivinski 4893 UNM*; Sandia Crest] FENDLER'S MUTTONGRASS.
Piñon-juniper woodland up to openings in subalpine forest. Bedker 1966, M&H 1975, Soreng 1985.
- Poa fendleriana* var. *longiligula* (Scribn. & Will.) Soreng [*Potter 344 UNM*; Sandia, E-slope]
LONGTONGUE MUTTONGRASS. Piñon-juniper woodland up to openings in subalpine forest.
Soreng 1985. (*Poa longiligula*)
- Poa interior* Rydb. [*Sivinski 4966 UNM*; Sandia, North Crest Trail] INTERIOR BLUEGRASS.
Mixed conifer and subalpine forest. Bedker 1966, M&H 1975, Soreng 1985.
- Poa occidentalis* Vasey [*Gordon & Norris 110 UNM*; Sandia Park, 8000'] NEW MEXICO BLUEGRASS.
Ponderosa pine and mixed conifer forests. M&H 1975, Soreng 1985.
- **Poa pratensis* L. [*Bedker 1029 UNM*; Manzano, Enicoro Canyon, 7000'] KENTUCKY BLUEGRASS.
Roadsides and meadows from ponderosa pine up to subalpine forest.
Bedker 1966, M&H 1975, Soreng 1985.
- Poa tracyi* Vasey [*McIntosh 1143 UNM*; Sandia Crest] TRACY'S BLUEGRASS. Subalpine forest. Soreng 1985.
- **Polypogon monspeliensis* (L.) Desf. [*Herrick 993 UNM*; Sandia Mts.] RABBITFOOTGRASS.
Wet soils at springs and riparian margins in foothill scrub and piñon-juniper woodland.
W&S 1915, M&H 1975.
- **Polypogon viridis* (Gouan) Breistr. [*Warnock 33 UNM*; Sandia Mts.] WATER POLYPOGON.
Wet soils at spring and riparian margins in foothill scrub and piñon-juniper woodland.
M&H 1975. (*Agrostis semiverticillata*)
- **Psathyrostachys juncea* (Fischer) Nevski [*Sivinski 3232 UNM*; Manzanita, Tijeras Pueblo ruins] RUSSIAN WILDRYE.
Disturbed areas where planted.
- Schedonnardus panniculatus* (Nutt.) Trel. [*Sivinski 4899 UNM*; Sandia, Placitas] TUMBLEGRASS.
Roadsides and other disturbed areas in foothill scrub and piñon-juniper woodland.
Bedker 1966, M&H 1975.

- Schizachyrium neomexicanum* (Nash) Nash [*Sivinski 5033* UNM; South Sandia Peak] NEW MEXICO BLUESTEM.
Limestone soils from piñon juniper woodland up to dry meadows in mixed conifer forest.
(*Andropogon scoparius* var. *neomexicanus*)
- Schizachyrium scoparium* (Michx.) Nash [*Sivinski 5007* UNM; Sandia, gypsum spring-seep near Placitas]
LITTLE BLUESTEM. Coarse soils in foothill scrub up to ponderosa pine forest.
W&S 1915, M&H 1975. (*Andropogon scoparius*)
- Scleropogon brevifolius* Phil. [*Sivinski & Jercinovic 5680* UNM; Manzano, Priest Canyon] BURROGRASS.
Flat areas with silty soil in foothill scrub. M&H 1975.
- Setaria leucopila* (Scribn. & Merr.) K. Schum [*Sivinski et al.* UNM; Manzano, Priest Canyon] PLAINS BRISTLEGRASS.
Foothill scrub. M&H 1975. (*Setaria macrostachya* of some regional authors)
- **Setaria viridis* (L.) Beauv. [*Sivinski 5149* UNM; Manzanita, E of Zamora] GREEN BRISTLEGRASS.
Disturbed roadsides in foothill scrub up to ponderosa pine forest. Bedker 1966, M&H 1975.
- **Sorghum halepense* (L.) Pers. [*Owen 5* UNM; Sandia, 6000'] JOHNSONGRASS.
Disturbed roadsides in foothill scrub and piñon-juniper woodland. M&H 1975.
- « *Sphenopholis obtusata* (Michx.) Scribn. » PRAIRIE WEDGESCALE; reported by M&H (1975) – needs specimen verification.
- Sporobolus airoides* (Torr.) Torr. [*Sivinski 4857* UNM; Sandia, shale slopes near Placitas] ALKALI SACATON.
Clayey or silty alkaline soils in foothill scrub and piñon-juniper woodland.
- Sporobolus contractus* A.S. Hitchc. [*Sivinski & Jercinovic 5684* UNM; Manzano, Priest Canyon] SPIKE DROPSEED.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975.
- Sporobolus cryptandrus* (Torr.) A. Gray [*Sivinski 5048* UNM; Sandia, foothill near Placitas] SAND DROPSEED.
Foothill scrub and piñon-juniper woodland. Bedker 1966, M&H 1975.
- « *Sporobolus flexuosus* (Thurb. ex Vasey) Rydb. » MESA DROPSEED; reported by M&H (1975) – needs specimen verification.
- Sporobolus nealleyi* Vasey [*Sivinski 5045* UNM; Sandia, gypsum outcrop near Placitas] GYPGRASS.
Gypseous soils in piñon-juniper woodland at north end of Sandia Mountains.
- Sporobolus wrightii* Munroe ex Scribner [*Sivinski 6216* UNM; Sandia, near La Cueva Picnic Area] GIANT SACATON.
Silty soils of valley bottoms in foothill scrub.
- Tridens muticus* (Torr.) Nash var. *elongatus* (Buckl.) Shinnery [*Sivinski & Jercinovic 5672* UNM; Manzano, Priest Canyon] ROUGH TRIDENS. Foothill scrub of southern Manzano Mountains. (*Tridens elongatus*)
- Trisetum montanum* Vasey [*Sivinski 3155* UNM; Sandia Crest] ROCKY MOUNTAIN TRISETUM.
Subalpine forest. M&H 1975, Finot et al. 2005.
- « *Trisetum spicatum* (L.) Richter » SPIKE TRISETUM; reported by M&H (1975) – needs specimen verification.
- Vulpia octoflora* (Walt.) Rydb. [*Sivinski 4758* UNM; Sandia, Carnuel] SIXWEEKS-FESCUE.
Foothill scrub and piñon-juniper woodland. M&H 1975. (*Festuca octoflora*)

SPARGANIACEAE Bur-reed Family

- Sparganium eurycarpum* Engelm. ex A. Gray [*Martin s.n.* UNM; Manzano Mts.] BROAD-FRUIT BURR-REED.
Standing water in the Manzano Mountains. Bedker 1966.

TYPHACEAE Cattail Family

- Typha latifolia* L. [*Sivinski 5765* UNM; Sandia, Cedar Crest] BROADLEAF CATTAIL.
Spring seeps and ponds in piñon-juniper woodland. Bedker 1966, M&H 1975.

ACKNOWLEDGMENTS

First and foremost I want to express my admiration and appreciation for all botanical field collectors who collected plants from the Sandia/Manzano range of mountains and made those specimens available for study by depositing them in research herbaria. Gene Jercinovic was especially helpful in providing specimens of uncommon plants. The Cibola National Forest, Tijeras Ranger District made many valuable specimens available for study by entrusting their plant specimen collection to me for accession to the UNM Herbarium. Several botanists including Kelly Allred, Patricia Barlow-Irick, David Ferguson, Mariam Fritts, Ron Hartman, Charles

Keller, John La Duke, Tim Lowrey, Guy Nesom, J. Mark Porter, Ken Robertson, Richard Spellenberg, and Michael Windham examined specimens which I found difficult to identify, and gave me the benefit of their opinions. Wayne Elisens, Barry Kues, Tim Lowrey, and Janelle Harden reviewed the manuscript and made helpful suggestions and contributions to improve it. Phil Tonne at UNM-Natural Heritage New Mexico produced the study area maps. UNM Collection Manager, Jane Mygatt, was always helpful during my frequent visits to the herbarium. Publication costs were provided by a grant from the Native Plant Society of New Mexico.

LITERATURE CITED

- Aedo, C. 2001. The genus *Geranium* L. (Geraniaceae) in North America II. Perennial species. *Anales del Jardín Botánico de Madrid* 59(1):3-65.
- Allred, K.W. 1993. *Bromus*, section *Pnigma*, in New Mexico, with a key to the brome-grasses of the state. *Phytologia* 74:319-345.
- Allred, K.W. 2005a onward (continuously updated). A working index of New Mexico plant names. Range Science Herbarium, NM State University, Las Cruces. <http://web.nmsu.edu/~kallred/herbweb/>
- Allred, K.W. 2005b. *Chenopodium* in New Mexico. *The New Mexico Botanist* 32:1-5.
- Allred, K.W. 2005c. Perennial *Festuca* (Gramineae) of New Mexico. *Desert Plants* 21:3-12.
- Allred, K.W. and S. Johnson. 2003. A taxonomic review of the tendril-bearing legumes (Leguminosae) in New Mexico: II. *Vicia*. *The New Mexico Botanist* 26:1-5.
- Al-Shehbaz, I. 1973. The biosystematics of the genus *Thelypodium* (Cruciferae) Contributions from the Gray Herbarium 204:3-148.
- Angiosperm Phylogeny Group (APG). 2003. An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG II. *Botanical Journal of the Linnean Society* 141:399-436.
- Austin, D.E. 1990. Annotated checklist of New Mexico Convolvulaceae. *Sida* 14(2):273-286.
- Bailey, V.L. 1962. Revision of the genus *Ptelea* (Rutaceae). *Brittonia* 14(1):1-45.
- Barkworth, M.E. 1993. North American Stipeae (Gramineae): taxonomic changes and other comments. *Phytologia* 74(1):1-25.
- Barlow-Irick, P. 2002. Biosystematic analysis of the *Cirsium arizonicum* complex of the southwestern United States. Unpublished PhD. Dissertation, University of New Mexico, Albuquerque. 197 pp.
- Barneby, R.C. 1964. Atlas of North American *Astragalus*. *Memoirs of the New York Botanical Garden* 13(2):1-1188.
- Bauer, P.W., R.P. Lozinsky, C.J. Condie, and L.G. Price. 2003. Albuquerque, a guide to its geology and culture. New Mexico Bureau of Geology and Mineral Resources, Scenic Trip Series, No. 18. 181 pp.
- Bedker, E.J. 1966. A study of the flora of the Manzano Mountains. Unpublished Master's thesis, University of New Mexico, Albuquerque. 170 pp.
- Benson, L. 1982. The cacti of the United States and Canada. Stanford University Press, Stanford, California. 1044 pp.
- Clausen, R.T. & C.H. Uhl 1943. Revision of *Sedum cockerellii* and related species. *Brittonia* 5:33-46.
- Cronquist, A. 1947. Revision of the North American species of *Erigeron*, north of Mexico. *Brittonia* 6:121-302.
- Crosswhite, F.S. 1965. Revision of *Penstemon* section *Penstemon* (Scrophulariaceae) II. A western alliance in series *Graciles*. *American Midland Naturalist* 74:429-442.
- Davidson, J.F. 1950. The genus *Polemonium* (Tournefort) L. University of California Publications in Botany 23(5):209-282.
- Denton, M.F. 1973. A monograph of *Oxalis*, section *Ionoxalis* (Oxalidaceae) in North America. Publications of the Museum, Michigan State University, Biological Series 4(10):455-615.
- Detling, L.E. 1939. A revision of North American species of *Descurainia*. *American Midland Naturalist* 22:481-520.
- Dittmer, H.J., E.F. Castetter, and O.M. Clark. 1954. Ferns and fern allies of New Mexico. University of New Mexico Publications in Biology No. 6, UNM Press, Albuquerque. 139 pp.
- Ewan, J. and N.D. Ewan. 1981. Biographical dictionary of Rocky Mountain naturalists, 1682-1932. W. Junk, Publishers, The Hague/Boston. 253 pp.
- Finot, V.L., P.M. Peterson, R.J. Soreng, and F.O. Zuloaga. 2005. A revision of *Trisetum* and *Grapphephorum* (Poaceae: Pooideae: Aveninae) in North America north of Mexico. *Sida* 21(3):1419-1453.
- Gentry, J.L. and R.L. Carrier. 1976. A revision of *Hackelia* (Boraginaceae) in North America north of Mexico. *Memoirs of the New York Botanical Garden* 26(1):121-227.
- Grambling, J.A. and S.G. Wells (editors). 1982. Albuquerque Country II. New Mexico Geological Society, Field Conference Guidebook 33. 370 pp.
- Grant, A.L. 1924. A monograph of the genus *Mimulus*. *Annals of the Missouri Botanic Garden* 11:99-399.
- Griffiths, D. 1914. New species of *Opuntia*. *Proceedings of the Biological Society of Washington*. 27:23-28.
- Hitchcock, C.L. 1932. A monographic study of the genus *Lycium* of the western hemisphere. *Annals of the Missouri Botanic Garden* 19:179-375
- Hitchcock, C.L. 1936. The genus *Lepidium* in the United States. *Madroño* 3:265-320.
- Hitchcock, C.L. 1941. A revision of the *Drabas* of western North America. University of Washington Publications in Biology 11:1-132.
- Hitchcock, C.L. & B. Maguire. 1947. A revision of the North American species of *Silene*. University of Washington Publications in Biology 13:1-73.
- Holmgren, N.H., P.K. Holmgren and A. Cronquist. 2005. Intermountain flora. Vol. 2 Part B. New York Botanical Garden, Bronx. 488 pp.
- Holmgren, P.K. and N.H. Holmgren. 1998 onward (con-

- tinuously updated). Index herbariorum. New York Botanical Garden. <http://sciweb.nybg.org/science2/IndexHerbariorum.asp>
- Ivey, R.D. 2003. Flowering plants of New Mexico, fourth edition. Published by author, Albuquerque, NM. 573 pp.
- Jercinovic, G. 2003. Wildflowers of the Manzanos. Published by the author, Torreon, NM. 466 pp.
- Jercinovic, G. 2005. Plant distribution reports: *Euphorbia lathyris*. The New Mexico Botanist 34:7.
- Johnson, S. and 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.
- Jones, G.N. 1939. A synopsis of the North American species of *Sorbus*. Journal of the Arnold Arboretum 20(1):1-43.
- Jones, G.N. 1940. A monograph of the genus *Symphoricarpos*. Journal of the Arnold Arboretum 21:203-252.
- Kearney T.H. 1942. The North American species of *Sphaeralcea*. University of California Publications in Botany 19:1-128.
- Kelley, V.C. and S.A. Northrop. 1975. Geology of Sandia Mountains and vicinity, New Mexico. New Mexico Bureau of Mines and Mineral Resources, Memoir 29. 136 pp.
- Martin, W.C. and C.R. Hutchins. 1975. A manual of the flora of the Sandia Mountains, New Mexico. Privately published by the authors, Albuquerque, NM. 301 pp.
- Martin, W.C. and C.R. Hutchins. 1980, 1981. A flora of New Mexico. Vols. 1 and 2. J. Cramer, Vaduz, West Germany. 2591 pp.
- Munz, P.A. 1946. *Aquilegia*: the cultivated and wild columbines. Gentes Herbarum 7:1-150.
- Mygatt, J. 1996. Botanical activities at the University of New Mexico Herbarium (UNM). The New Mexico Botanist 4:1-2.
- Northrop, S.A. 1966. University of New Mexico contributions in geology, 1898-1964. University of New Mexico Publications in Geology, No. 7. 158 pp.
- Pazzaglia, F.J. and S.G. Lucas (editors). 1999. Albuquerque geology. New Mexico Geological Society, Field Conference Guidebook 50. 448 pp.
- Pinkava, D.J. 2003. *Opuntia*. In: Flora of North America Editorial Committee (eds.). Flora of North America, north of Mexico. Vol. 4: Magnoliophyta: Caryophyllidae, part 1:123-148. Oxford University Press, New York, New York.
- Ringius, G.S. and J.C. Semple. 1987. Cytogeography of *Solidago spathulata-glutinosa* complex. Canadian Journal of Botany 65:2459-2462.
- Robinson, B.L. 1917. A monograph of the genus *Brickellia*. Memoirs of the Gray Herbarium 1:1-151.
- Rollins, R.C. 1941. A monographic study of *Arabis* in western North America. Rhodora 43:289-481.
- Sanders, R.W. 1986. Taxonomy of *Agastache* section *Brittoniastrum* (Lamiaceae-Nepeteae). Systematic Botany Monographs 15:1-92.
- Semple, J. 1966. A revision of *Heterotheca* sect. *Phyllotheca* (Nutt.) Harms (Compositae). University of Waterloo Biological Series 37:1-164.
- Sivinski, R.C. 1997. *Flora Neomexicana*: Watson's forgotten flora. Native Plant Society of New Mexico Newsletter 22(3):1.
- Sivinski, R.C. 2003a. Annotated checklist of the genus *Allium* in New Mexico. The New Mexico Botanist 27:1-6.
- Sivinski, R.C. 2003b. On the trail of John Bigelow: A clarification of some New Mexico type localities. The New Mexico Botanist 26:6-7.
- Soreng, R.J. 1985. *Poa* L. in New Mexico, with a key to middle and southern Rocky Mountain species (Poaceae). Great Basin Naturalist 45:396-422.
- Spellenberg, R. 1997. The NMSU Herbarium (NMC). The New Mexico Botanist 5:1-2.
- Turner, B.L. 1987. Taxonomic study of *Machaeranthera*, Sections *Machaeranthera* and *Hesperastrum* (Asteraceae). Phytologia 62(3):207-266.
- Wagner, W.H. Jr. and J.M. Beitel. 1993. Lycopodiaceae: Club-moss family. In: Flora of North America, Vol. 2. Oxford University Press, New York, NY. 475 pp.
- Western Regional Climate Center. 1986 onward (continuously updated). Historical climate information. National Oceanic and Atmospheric Administration. <http://www.wrcc.dri.edu>.
- Wheeler, C.L. 1941. *Euphorbia* subgenus *Chamaesyce* in Canada and the United States exclusive of southern Florida. Rhodora 43:97-153.
- Whipple, A.W. 1857. Explorations for a railway route near the thirty-fifth parallel of north latitude from the Mississippi River to the Pacific Ocean. Corps of Topographical Engineers, U.S. War Department. 136 pp.
- Wooton, E.O. and P.C. Standley. 1913. Descriptions of new plants preliminary to a report upon the flora of New Mexico. Contributions of the U.S. National Herbarium 16:109-196.
- Wooton, E.O. and P.C. Standley. 1915. Flora of New Mexico. Contributions of the U.S. National Herbarium 19:1-794.

¹ Robert C. Sivinski
New Mexico Forestry Division
Energy, Minerals and Natural Resources Department
P.O. Box 1948, Santa Fe, NM 87504