

Review of previous meetings 2004-2006



Species from previous years

2004 - T & E Species - Statewide

Astragalus humillimus
Astragalus osterhoutii
Astragalus tortipes
Botrychium lineare
Eriogonum pelinophilum
Eutrema edwardsii ssp *penlandii*
Gaura neomexicana ssp *coloradensis*
Ipomopsis polyantha
Lesquerella congesta
Pediocactus knowltonii
Penstemon debilis
Penstemon grahamii
Penstemon penlandii
Penstemon scariosus var *albifluvis*
Phacelia formosula
Phacelia submutica
Physaria obcordata
Sclerocactus glaucus
Sclerocactus mesae-verdae
Spiranthes diluvialis

2005 - G1 Species - Statewide

Aletes latilobus
Aliciella sedifolia
Astragalus lonchocarpus var. *hamiltonii*
Astragalus microcymbus
Astragalus schmolliae
Cirsium scapanolepis
Corispermum navicula
Cryptantha gypsophila
Draba weberi
Erigeron wilkenii
Eriogonum brandegeei
Hackelia gracilentia
Lygodesmia doloresensis
Mimulus gemmiparus
Oreoxis humilis
Penstemon gibbensii
Physaria pulvinata

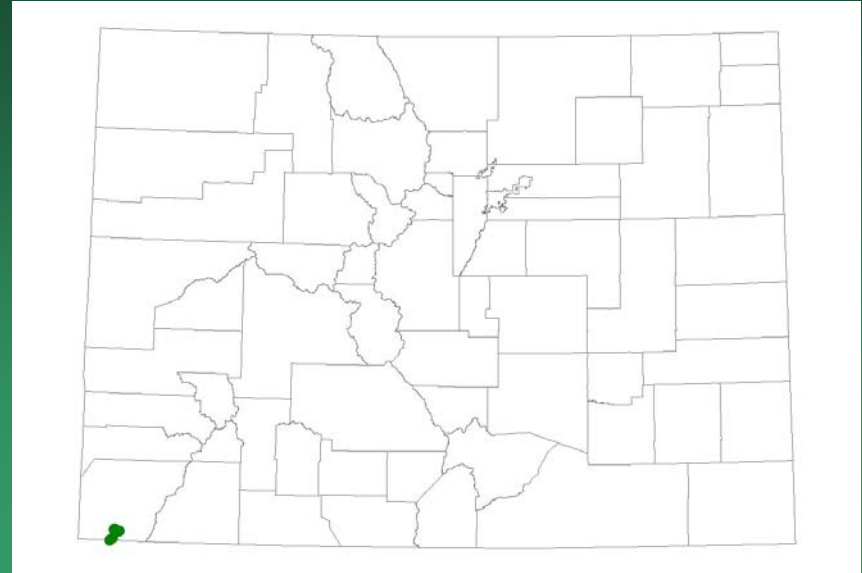
2006 - G2 Species - SE Colo

Asclepias uncialis ssp. *uncialis*
Cleome multicaulis
Delphinium ramosum var. *alpestre*
Delphinium robustum
Draba exunguiculata
Draba grayana
Draba smithii
Grindelia inornata
Herrickia horrida
Lesquerella calcicola
Nuttallia chrysantha
Nuttallia densa
Oenothera harringtonii
Oonopsis foliosa var. *monocephala*
Oonopsis puebloensis
Oxybaphus rotundifolius
Penstemon degeneri
Ptilagrostis porteri
Telesonix jamesii

2004
Steamboat Springs

T & E Species

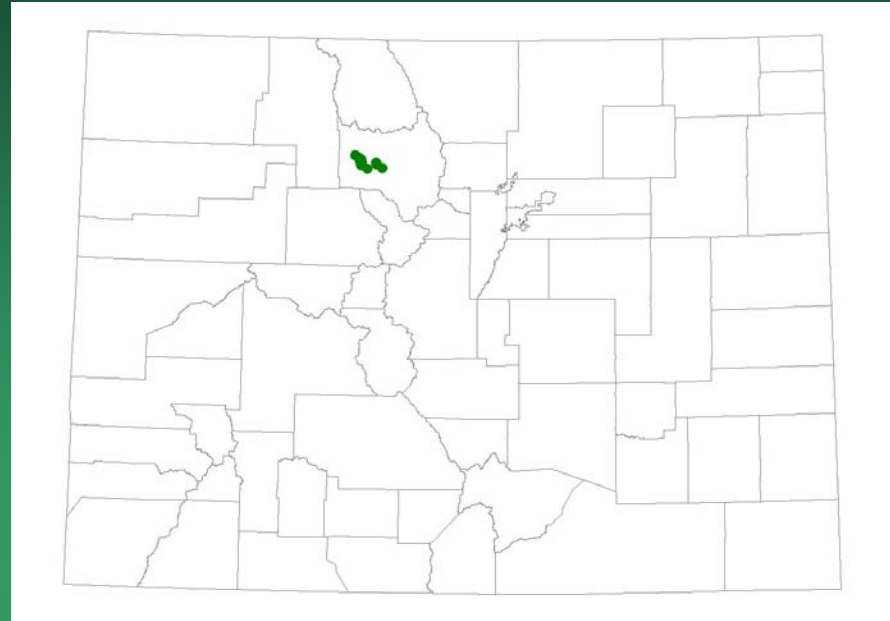
Astragalus humillimus Mancos milkvetch



- Federal status: Endangered
- Heritage ranks: G1/S1
- Global distribution: New Mexico and Colorado
- Last observed in Colorado: **CNAP 1998**
- Colorado occurrences: 4
- Colorado individuals: 25,000
- Primary threats: mineral, oil, and gas development, seismic exploration
- Land ownership/management: Ute Mountain Ute



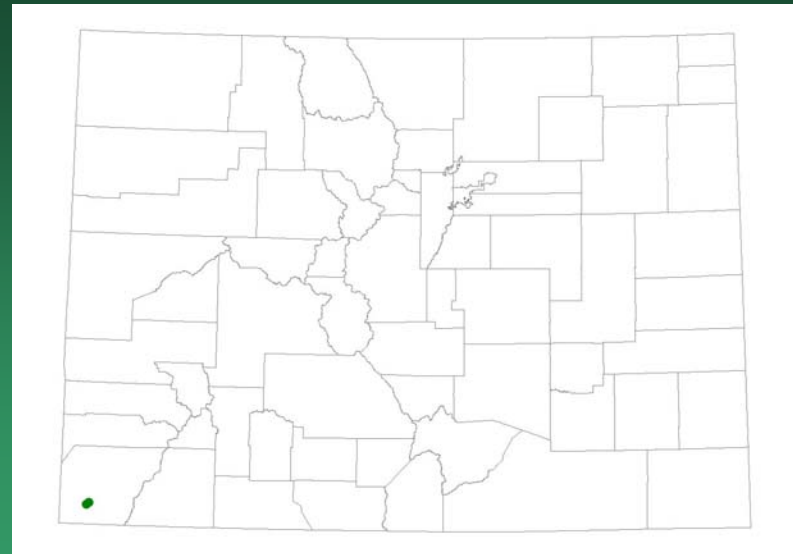
Astragalus osterhoutii
Osterhout milkvetch



- Federal status: Endangered
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic
- Last observed: 2005
- Occurrences: 6, 1 historical
- Individuals: 25,000-50,000
- Primary threats: recreation, mining, oil and gas development
- Land ownership/management: BLM, private, state



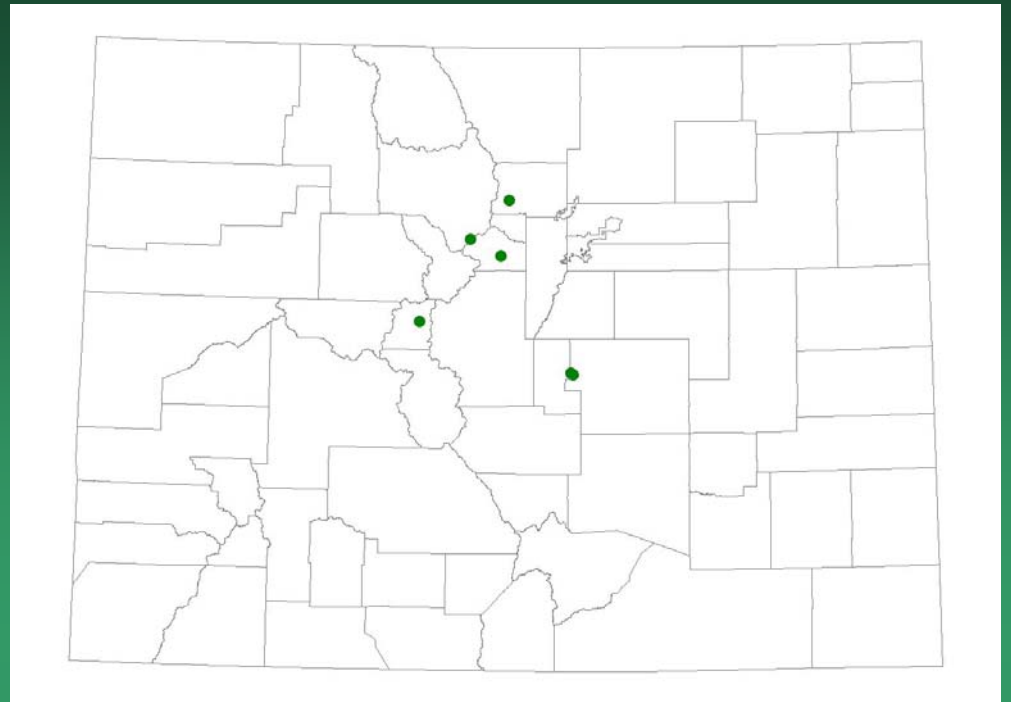
Astragalus tortipes
Sleeping Ute milkvetch



- Federal status: Candidate
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic
- Last observed: 2000
- Occurrences: 2
- Individuals: 2,000-3,000
- Primary threats: McPhee Reservoir canals, agricultural development
- Land ownership/management: Ute Mountain Ute



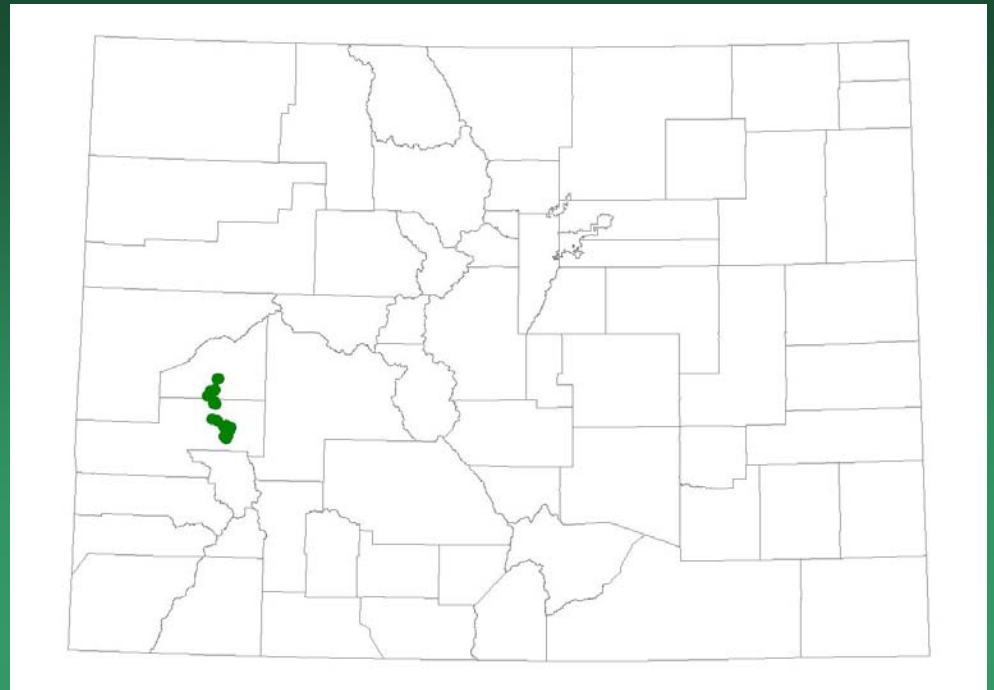
Botrychium lineare
Narrowleaf grapefern



- Federal status: Candidate
- Heritage ranks: G1/S1
- Global distribution: New Brunswick, Quebec, Idaho, Montana, Oregon, California, Wyoming, and Colorado
- Last observed in Colorado: 2004
- Colorado occurrences: 4 (or more)
- Colorado individuals: 60
- Primary threats: road maintenance, weeds
- Land ownership/management: USFS, private, city of Denver



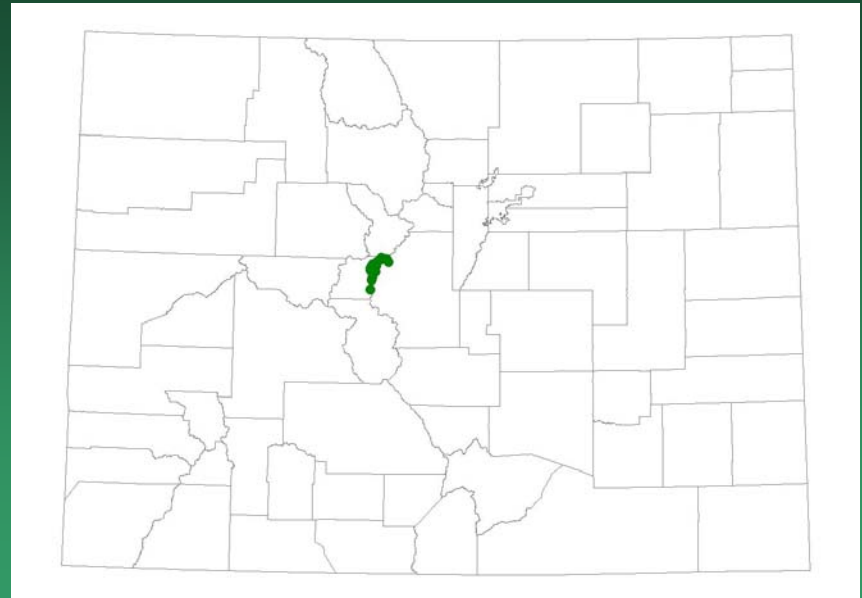
Eriogonum pelinophilum
Clay-loving wild buckwheat



- Federal status: Endangered
 - Heritage ranks: G2/S2
 - Global distribution: Colorado endemic
 - Last observed: 2007
 - occurrences: 19, 4 historical
 - Individuals: 30,000
 - Primary threats: residential and agricultural developments, ORV use, overgrazing, oil and gas exploration
 - Land ownership/management: private, BLM
- Waker property purchased



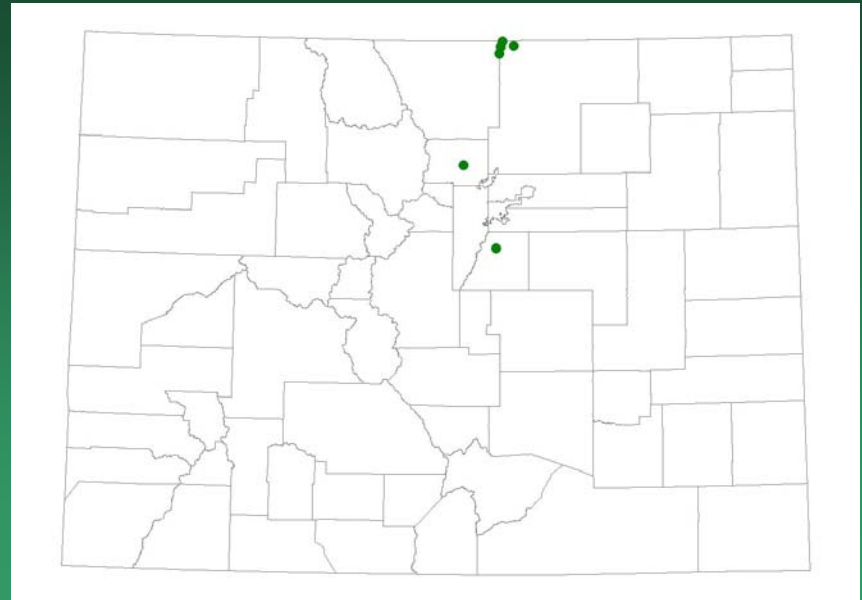
Eutrema penlandii
Penland alpine fen mustard



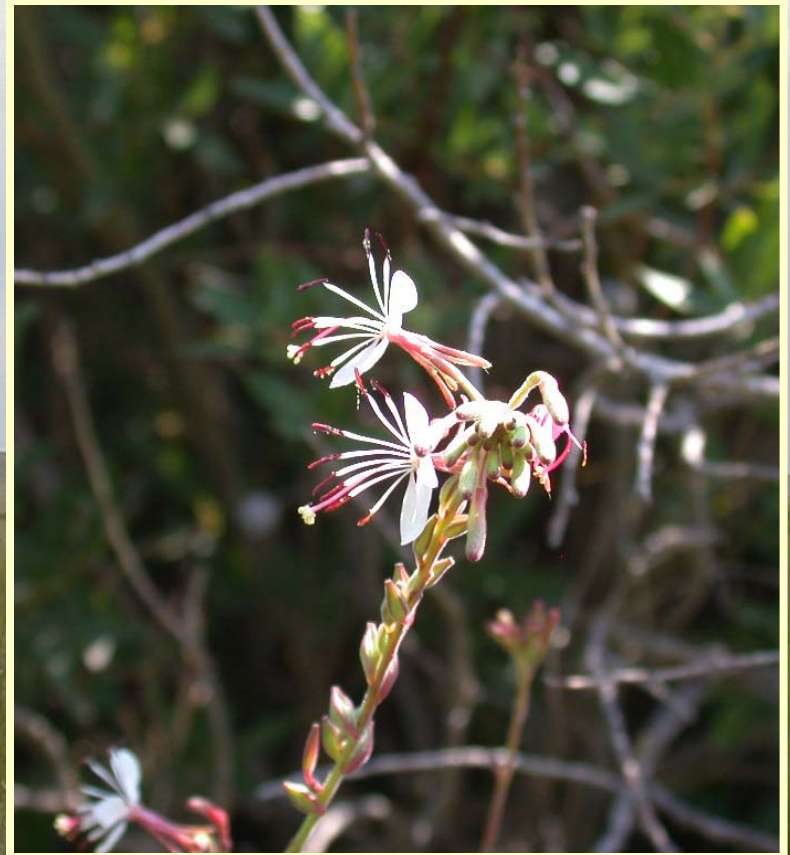
- Federal status: Endangered
- Heritage ranks: G1G2/S1S2
- Global distribution: Colorado endemic
- Last observed: 2006
- Occurrences: 11, 1 historical
- Individuals: 10,000-12,000
- Primary threats: mining, recreation
- Land ownership/management: private, USFS, BLM



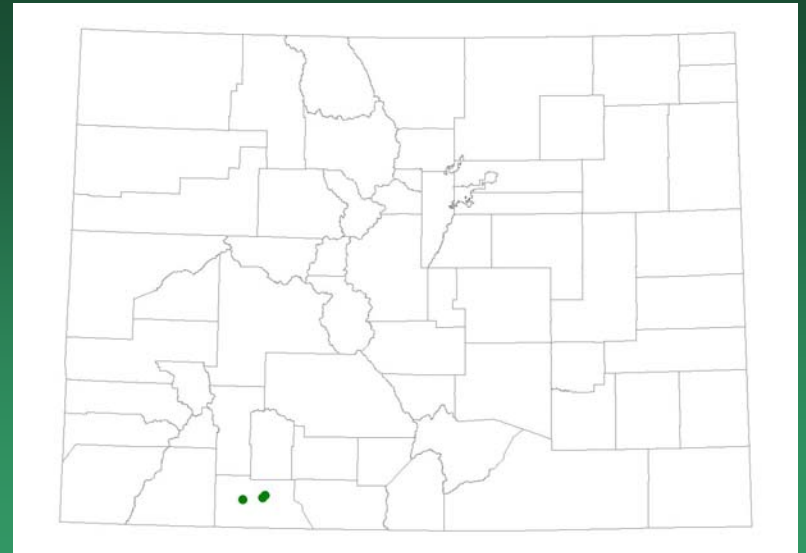
Gaura neomexicana ssp.
coloradensis
Colorado butterfly plant



- Federal status: Threatened
- Heritage ranks: G3T2/S1
- Global distribution: Wyoming, Nebraska, and Colorado
- Last observed in Colorado: 2006 or later
- Colorado occurrences: 3 (plus 7 historical)
- Colorado individuals: 11,000
- Primary threats: grazing, hydrological alterations, weeds, Interstate 25
- Land ownership: City of Fort Collins, private, state



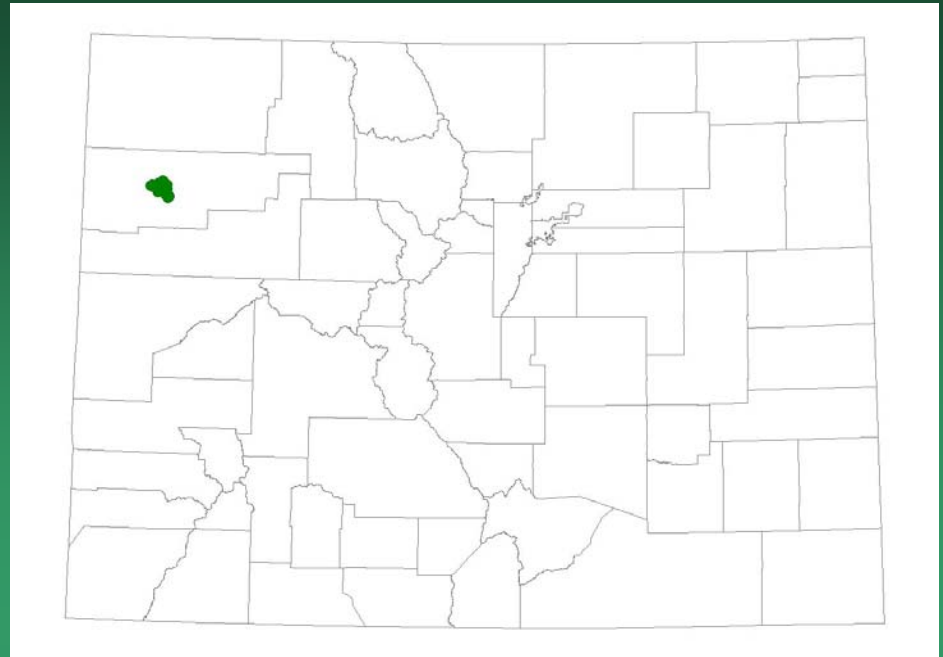
Ipomopsis polyantha
Pagosa gilia



- Federal status: **Candidate**
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic
- Last observed: **2007**
- Individuals: 10,000
- Occurrences: 3
- Primary threats: residential development, road construction and maintenance, overgrazing
- Land ownership/management: private, highway right of way



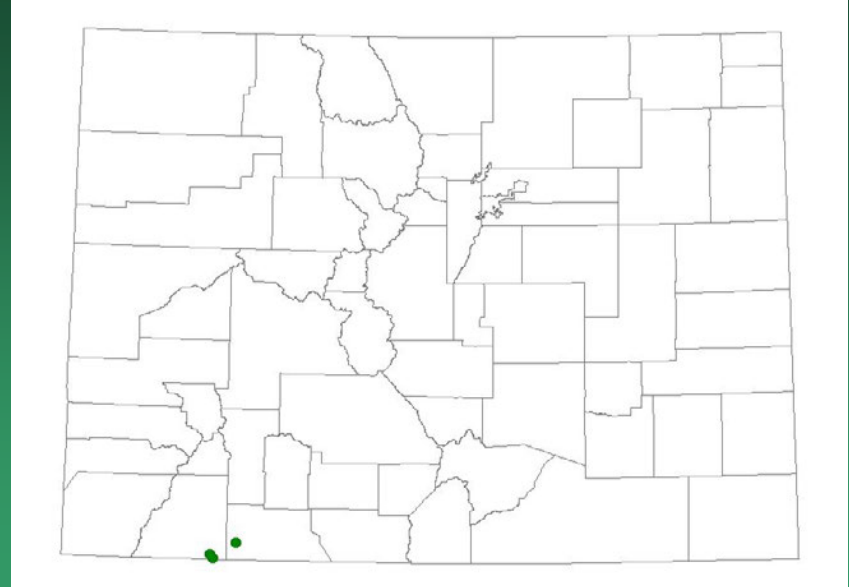
Lesquerella congesta
Dudley Bluffs bladderpod



- Federal status: Threatened
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic
- Last observed: 2007
- Occurrences: 7
- Individuals: 100,000-500,000
- Primary threats: oil and gas development, oil shale and nahcolite mining, ORV use, overgrazing, trampling by wild horses
- Land ownership/management: BLM, state, private



Pediocactus knowltonii
Knowlton's cactus

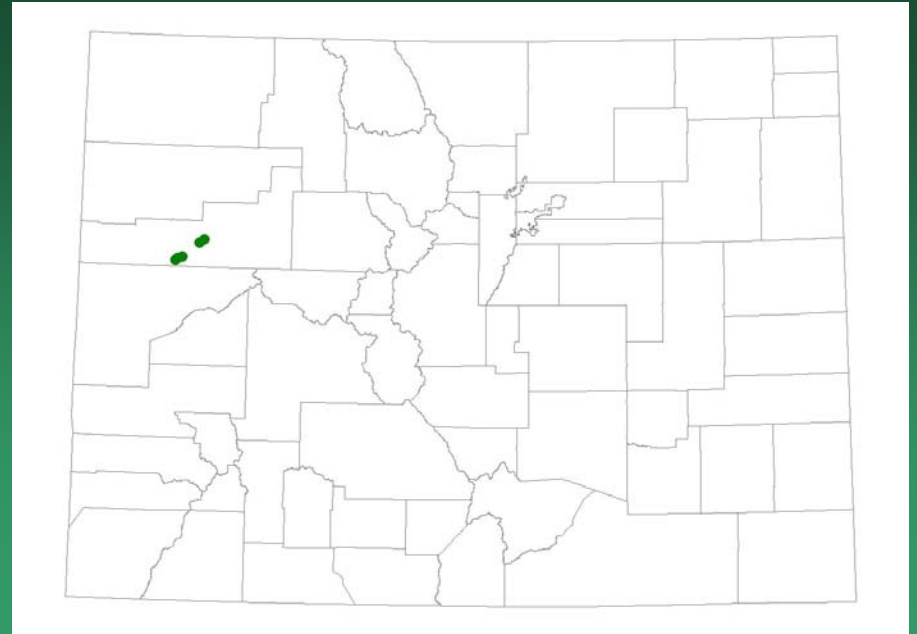


- Federal status: Endangered
- Heritage ranks: G1/**SNA**
- Global distribution: New Mexico and Colorado
- Last observed in Colorado: 1995
- Colorado occurrences: **0**
- Individuals: 9,000 in NM
- Primary threats: cactus collection
- Land ownership: private, Ute



Penstemon debilis

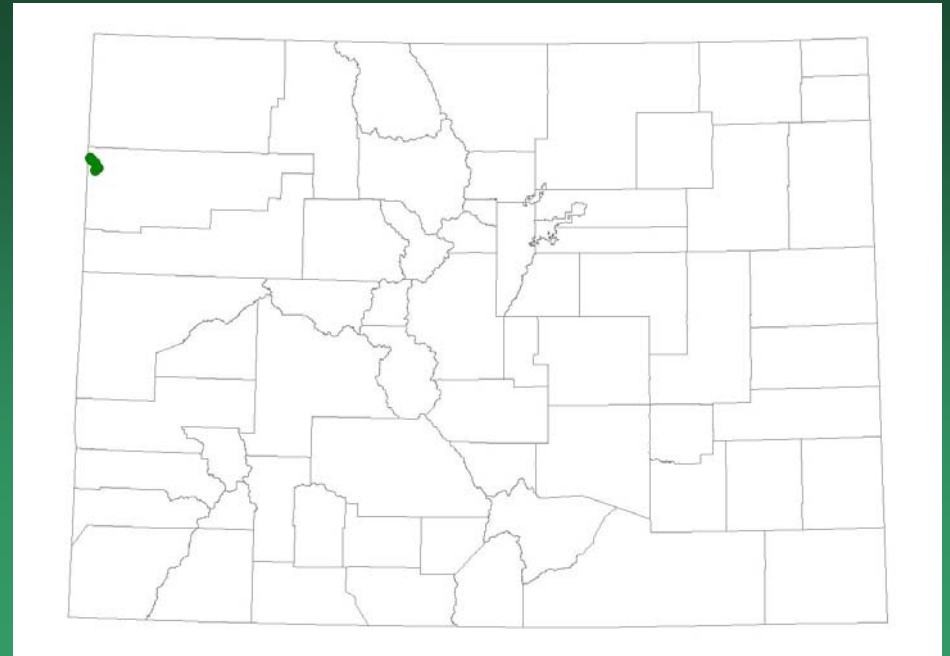
Parachute penstemon



- Federal status: Candidate
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic
- Last observed: 2005
- Occurrences: 5
- Individuals: 6,750
- Primary threats: oil and gas development, oil shale development, recreation
- Land ownership/management: private, BLM, DOE



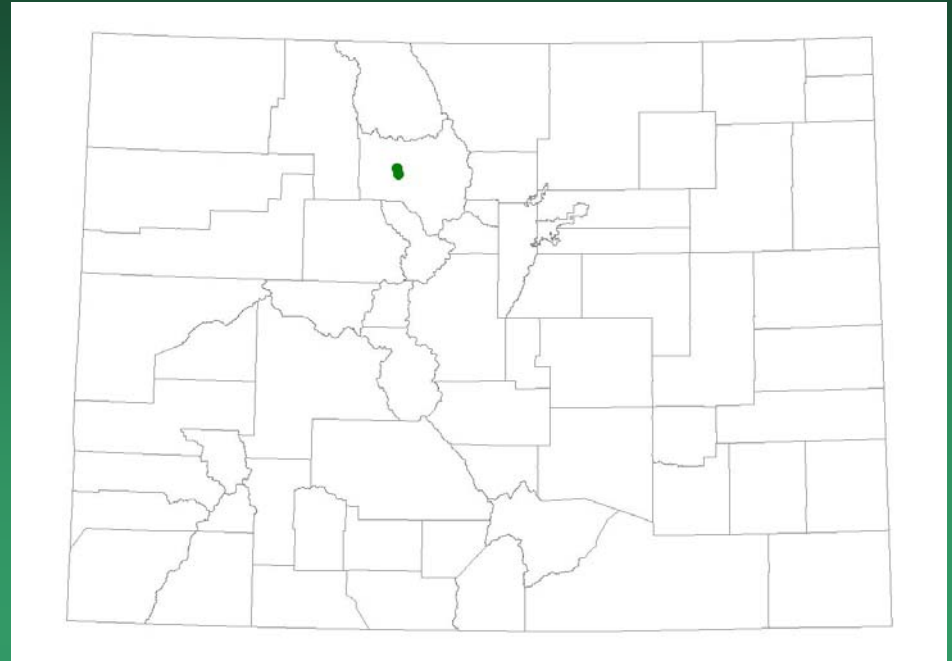
Penstemon grahamii
Graham beardtongue



- Federal status: Candidate
- Heritage ranks: G2/**S1**
- Global distribution: Utah and Colorado
- Last observed in Colorado: 2003
- Colorado occurrences: **5, 3 historical**
- Colorado individuals: 5,000
- Primary threats: oil and gas development, overgrazing
- Land ownership/management: BLM



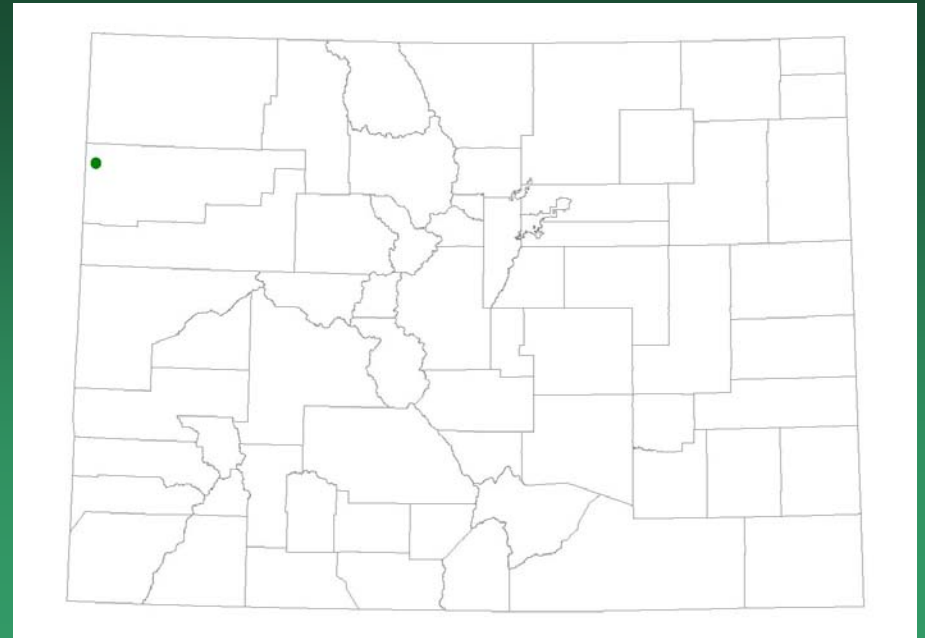
Penstemon penlandii
Penland beardtongue



- Federal status: Endangered
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic
- Last observed: 2005
- Occurrences: 2
- Individuals: 5,000-8,000
- Primary threats: road maintenance (grading, spraying, snow plowing), ORV use
- Land ownership/management: BLM, private



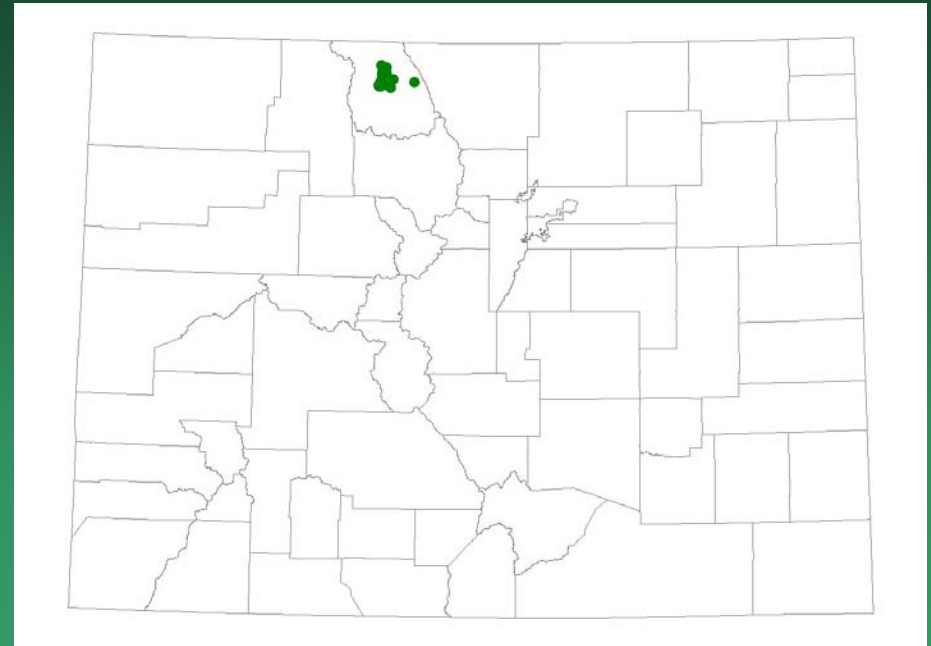
Penstemon scariosus var.
albifluvis
White River penstemon



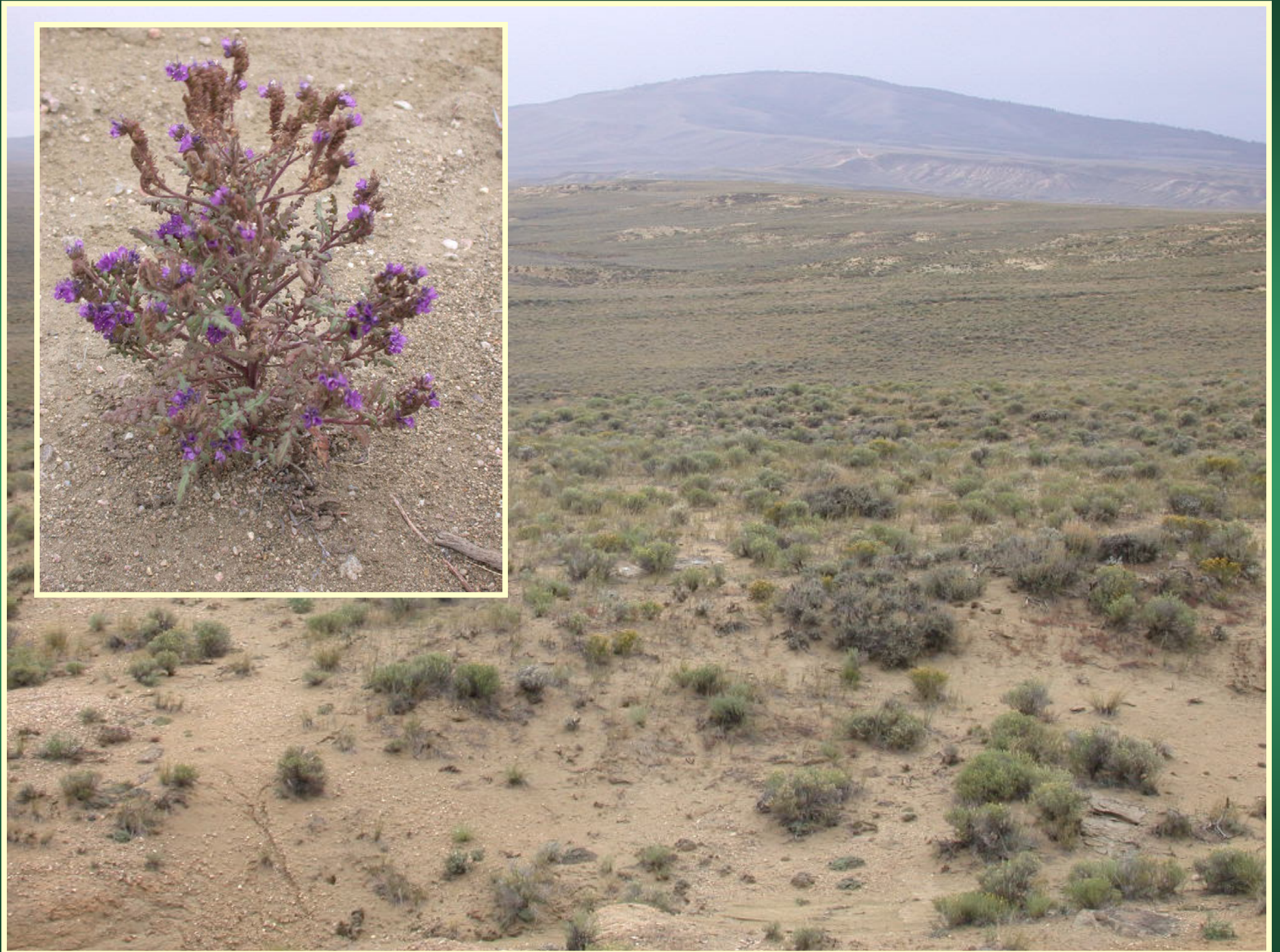
- Federal status: Candidate
- Heritage ranks: G4T1/S1
- Global distribution: Utah and Colorado
- Last observed in Colorado: 1999
- Colorado occurrences: 2
- Colorado individuals: 50-100
- Primary threats: overgrazing, oil and gas development, ORV use
- Land ownership/management: BLM, private



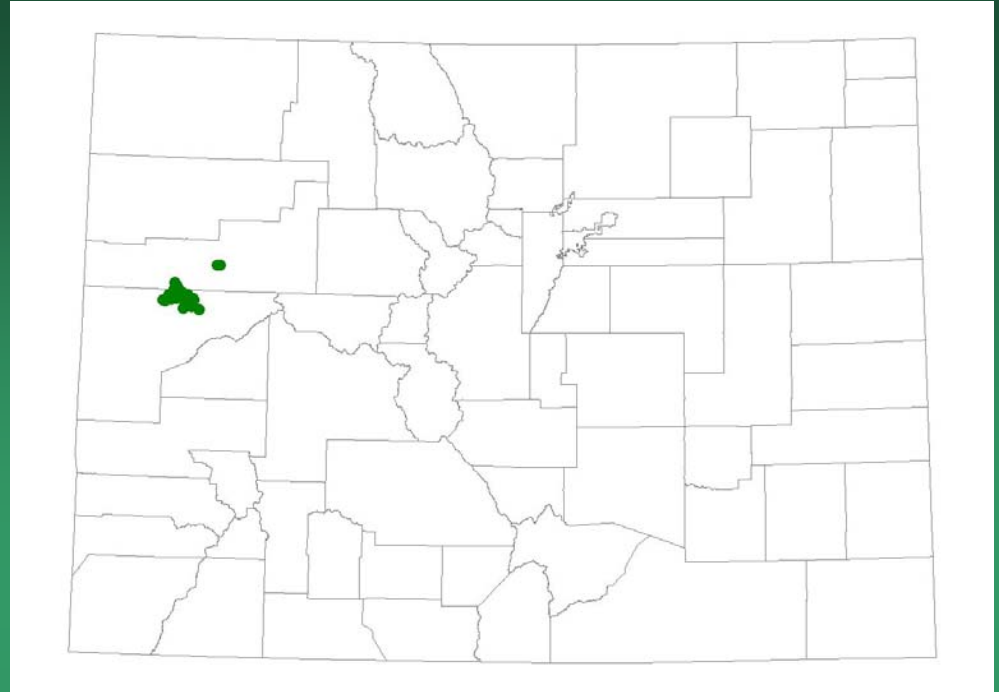
Phacelia formosula
North Park phacelia



- Federal status: Endangered
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic
- Last observed: 2005
- Occurrences: 9 (and 2 historical)
- Individuals: 8,000
- Primary threats: ORV use, coal extraction, overgrazing, oil and gas development
- Land ownership/management: BLM, private, USFWS



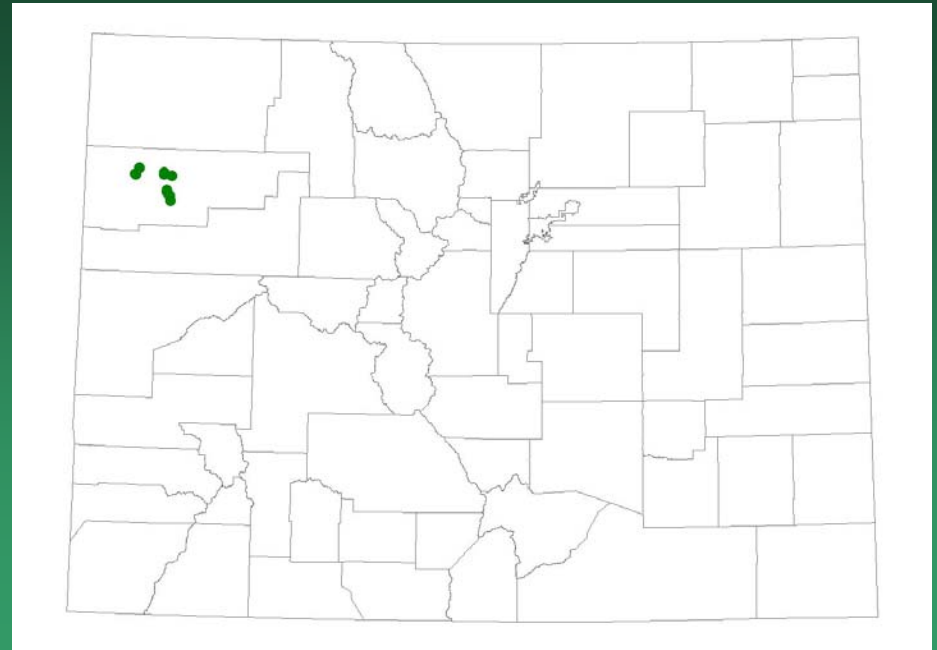
Phacelia submutica
DeBeque phacelia



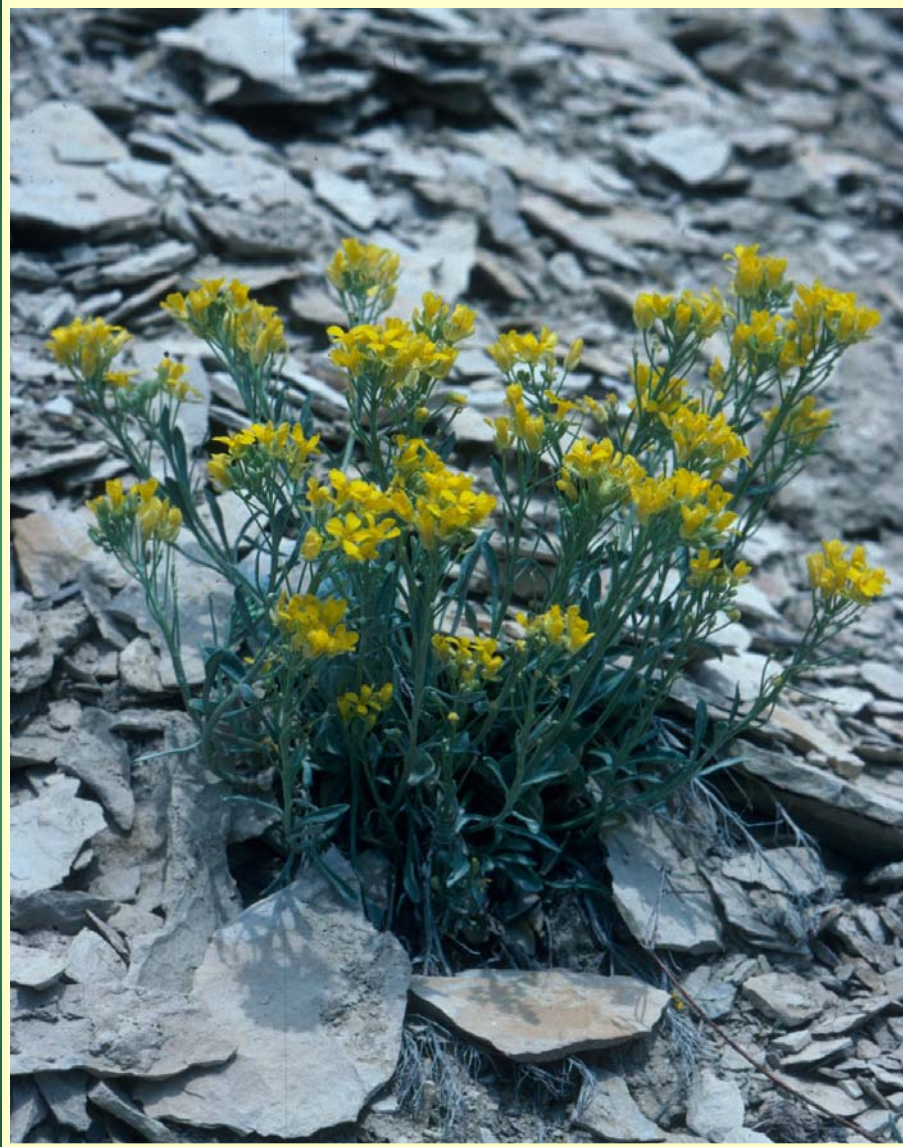
- Federal status: Candidate
- Heritage ranks: G4T2/S2
- Global distribution: Colorado endemic
- Last observed: 2004
- Occurrences: 35,14 historical
- Individuals: 25,000
- Primary threats: oil and gas development, ORV use, overgrazing, oil shale mining
- Land ownership/management: BLM, private, USFS, DOD



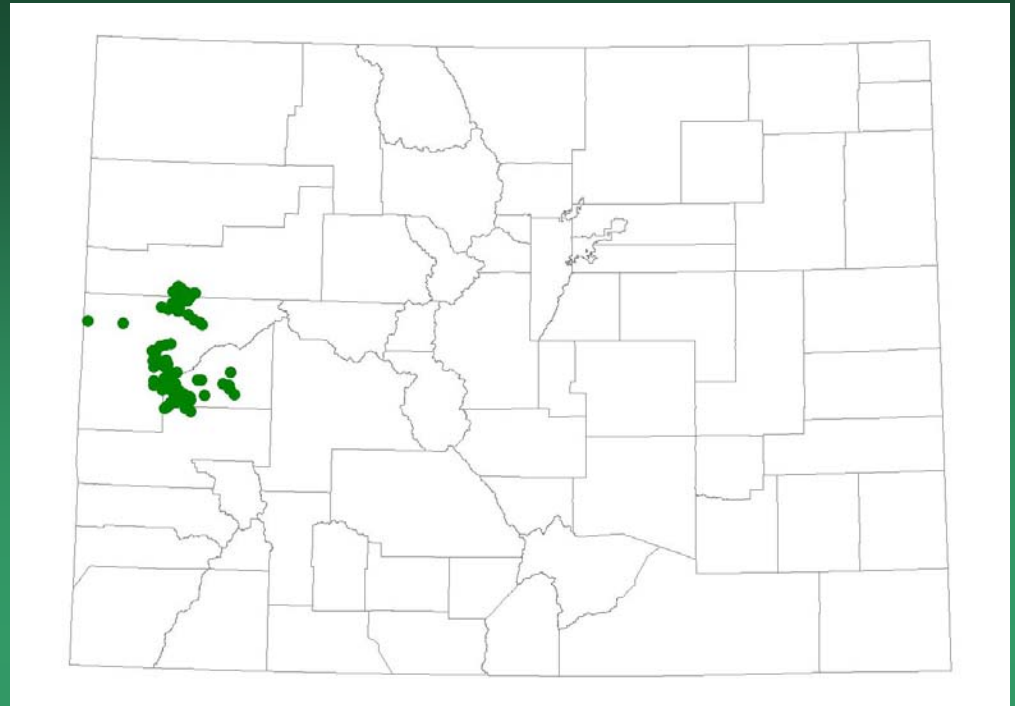
Physaria obcordata
Piceance twinpod



- Federal status: Threatened
- Heritage ranks: **G1G2/S1S2**
- Global distribution: Colorado endemic
- Last observed: **2007**
- occurrences: **9, 1 historical**
- Individuals: 23,000
- Primary threats: oil and gas development, oil shale and nahcolite mining, ORV use, trampling by wild horses
- Land ownership/management: BLM, state, private



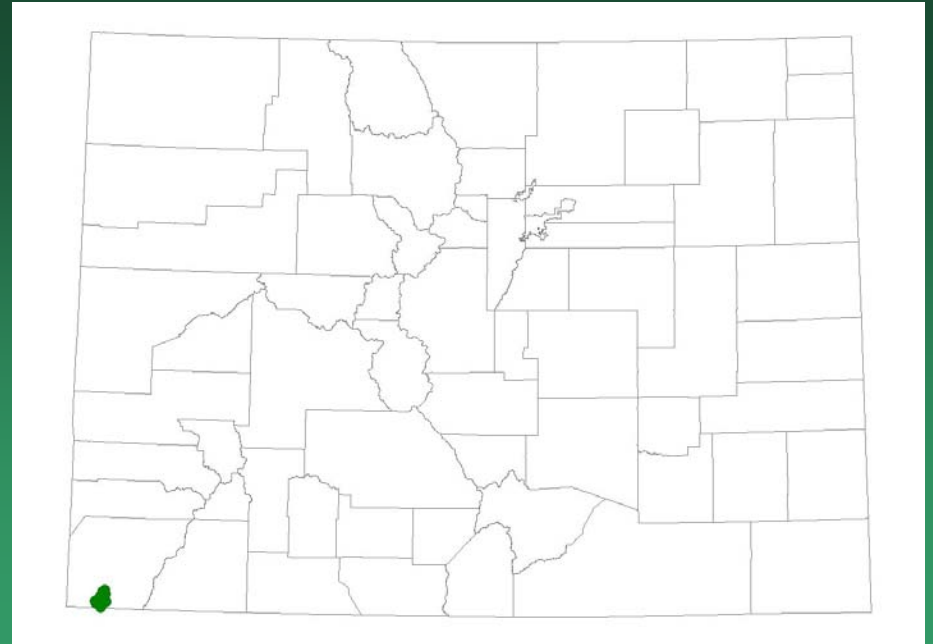
Sclerocactus glaucus
Uinta Basin hookless cactus



- Federal status: Threatened
- Heritage ranks: G3/S3
- Global distribution: **Colorado**
- Last observed in Colorado: 2001
- Colorado occurrences: 95
- Colorado individuals: 7600
- Primary threats: oil and gas development, residential development, cactus collecting
- Land ownership/management: BLM, state, private



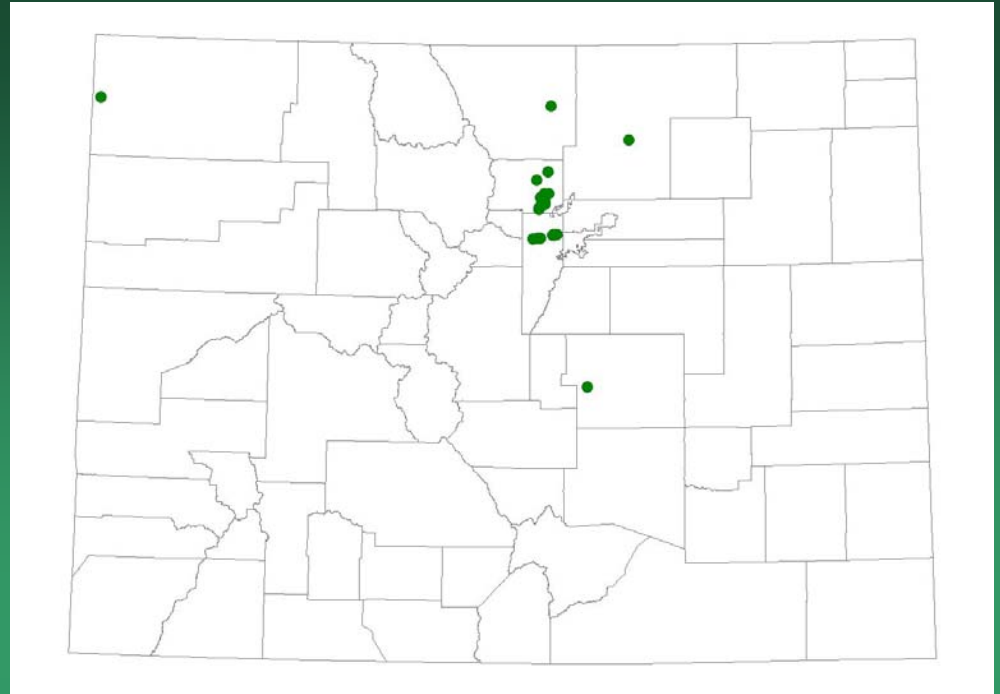
Sclerocactus mesae-verdae
Mesa Verde cactus



- Federal status: Threatened
- Heritage ranks: G2/S2
- Global distribution: New Mexico and Colorado
- Last observed in Colorado: 2005
- Colorado occurrences: 23 – probably a single large occurrence
- Colorado individuals: 2,000-10,000
- Primary threats: cactus collecting, oil and gas development, ORV use
- Land ownership/management: Ute Mountain Ute



Spiranthes diluvialis
Ute ladies' tresses



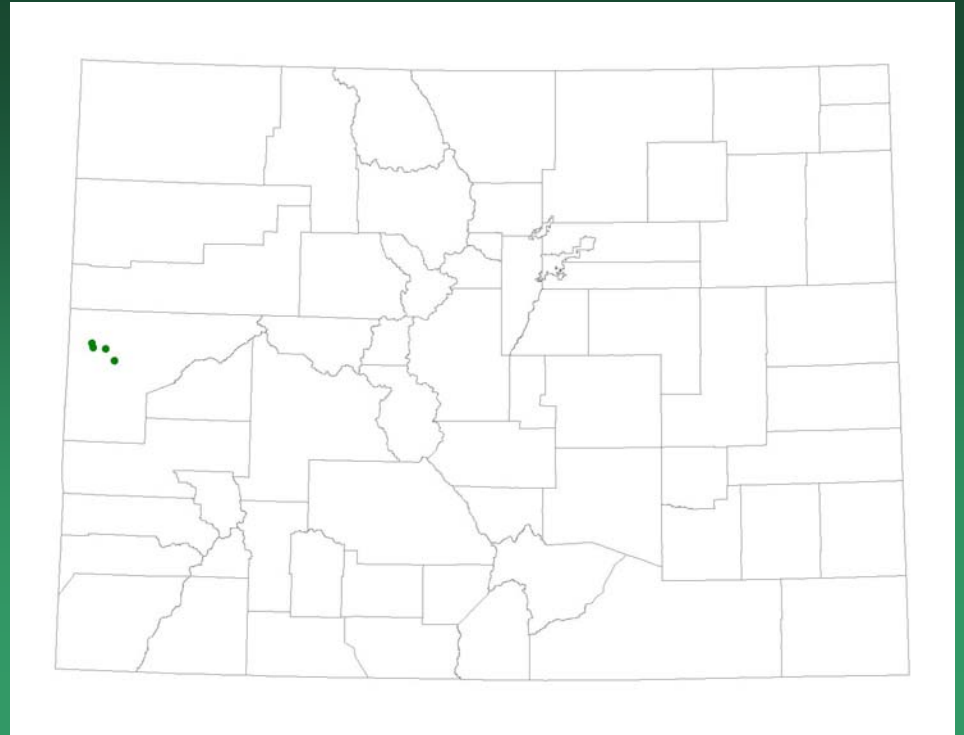
- Federal status: Threatened
- Heritage ranks: G2/S2
- Global distribution: Washington, Idaho, Montana, Wyoming, Nevada, Utah, Nebraska, and Colorado
- Last observed in Colorado: 2007
- Colorado occurrences: 17 (3 historical)
- Colorado individuals: 5,000-10,000
- Primary threats: weeds, residential development, hydrological alterations
- Land ownership/management: NPS, City of Fort Collins, City of Boulder, City of Wheat Ridge, Jefferson County, USFWS, Private, BLM, City of Carbondale



2005
Pagosa Springs

G1 species

Aletes latilobus=
Lomatium latilobum
Canyonlands biscuitroot

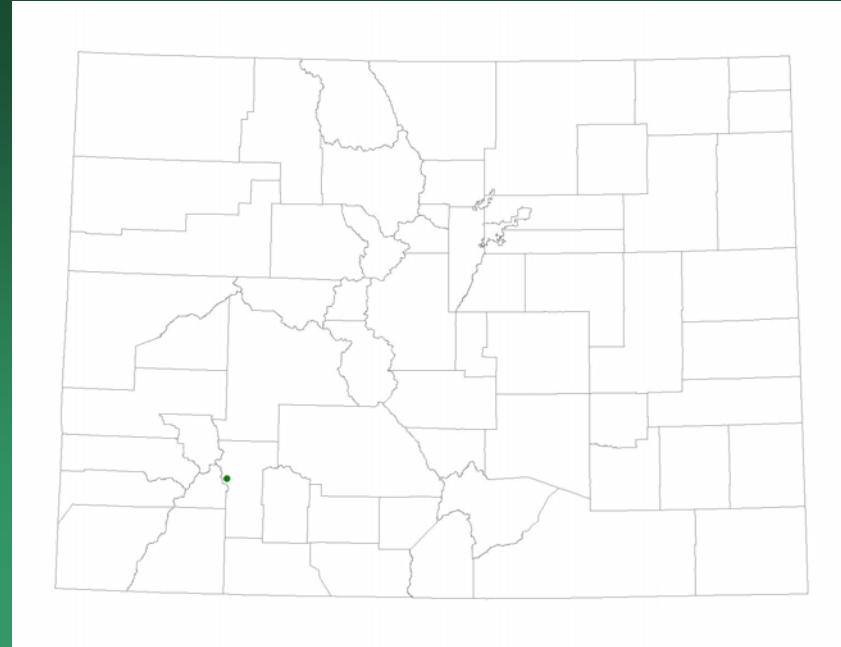


- Federal status: BLM sensitive
- Heritage ranks: G1/S1
- Global distribution: Utah (Grand and San Juan counties) and Colorado (Mesa County-- Colorado National Monument and Rattlesnake Canyon)
- Last observed in Colorado: 1997
- Colorado occurrences: Five (3 known extant, 2 from herbarium records)
- Colorado individuals: >5,000
- Primary threats: Habitat disturbance, Park developments, trampling by hikers
- Land ownership/management: Colorado National Monument, BLM, possibly on adjacent private



Aliciella sedifolia=*Gilia sedifolia*
Stonecrop gilia

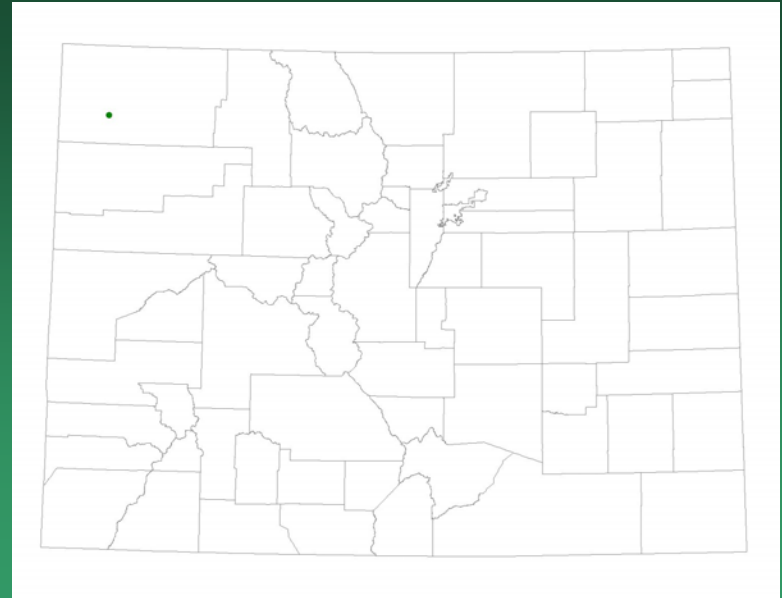
- Federal status: USFS sensitive
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic, San Juan Mountains, Hinsdale County
- Last observed: 2007
- Occurrences: 2 (one of these has not been seen since 1892)
- Individuals: 1,100
- Primary threats: off-road vehicle use, recreation, sheep grazing, mining, noxious weed invasion, effects of small population size, global climate change, and pollution
- Land ownership/management: Gunnison and possibly San Juan National Forest





Astragalus lonchocarpus var. *hamiltonii*
= *A. hamiltonii*

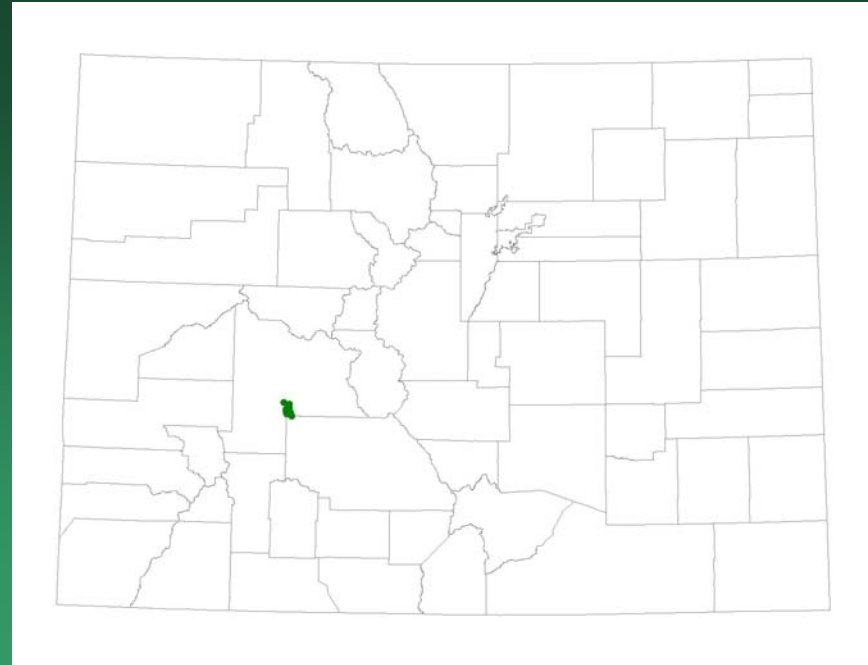
Hamilton's milkvetch



- Federal status: BLM sensitive in CO
- Heritage ranks: G1/S1
- Global distribution: Uintah County, Utah and Moffat County, Colorado
- Last observed in Colorado: 1991
- Colorado occurrences: 1
- Colorado individuals: 12
- Primary threats: unknown, area heavily grazed in past, OHV and oil & gas development for UT occurrences.
- Land ownership/management: Dinosaur NM in CO and UT; National Wildlife Refuge, Ute, BLM, State, and private in UT



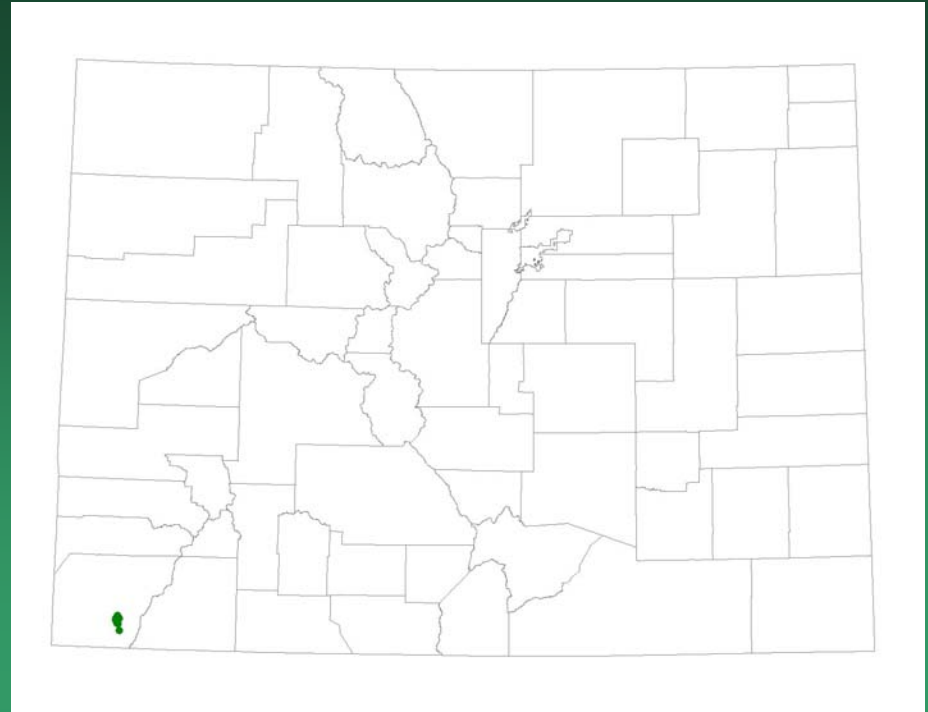
Astragalus microcymbus
Skiff milkvetch



- Federal status: BLM sensitive
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic, South Beaver Creek, Gunnison and Saguache counties
- Last observed: 1993 (monitored by DBG)
- Occurrences: 4 principal occurrences, 1 historical
- Individuals: 10,332
- Primary threats: recreation, grazing by cattle and rabbits, mining, residential development
- Land ownership/management: BLM (most occurrences within a BLM ACEC and South Beaver Creek Natural Area), private



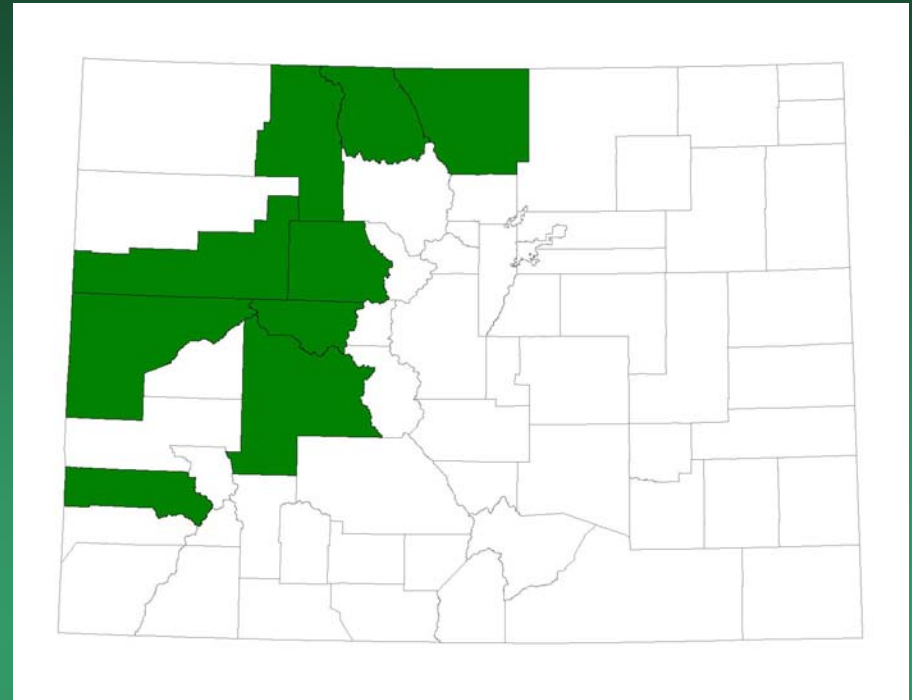
Astragalus schmolliae
Schmoll's milkvetch



- Federal status: none
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic, Chapin Mesa, Montezuma County
- Last observed: 2005
- Occurrences: 6 principal occurrences (2 not obs. In >20 years)
- Individuals: 294,499 in Mesa Verde, Tribal lands unsurveyed
- Primary threats: Noxious weed invasions, Park developments, grazing and road construction outside NP
- Land ownership/management: Mesa Verde National Park, Ute Mountain Ute Tribal lands



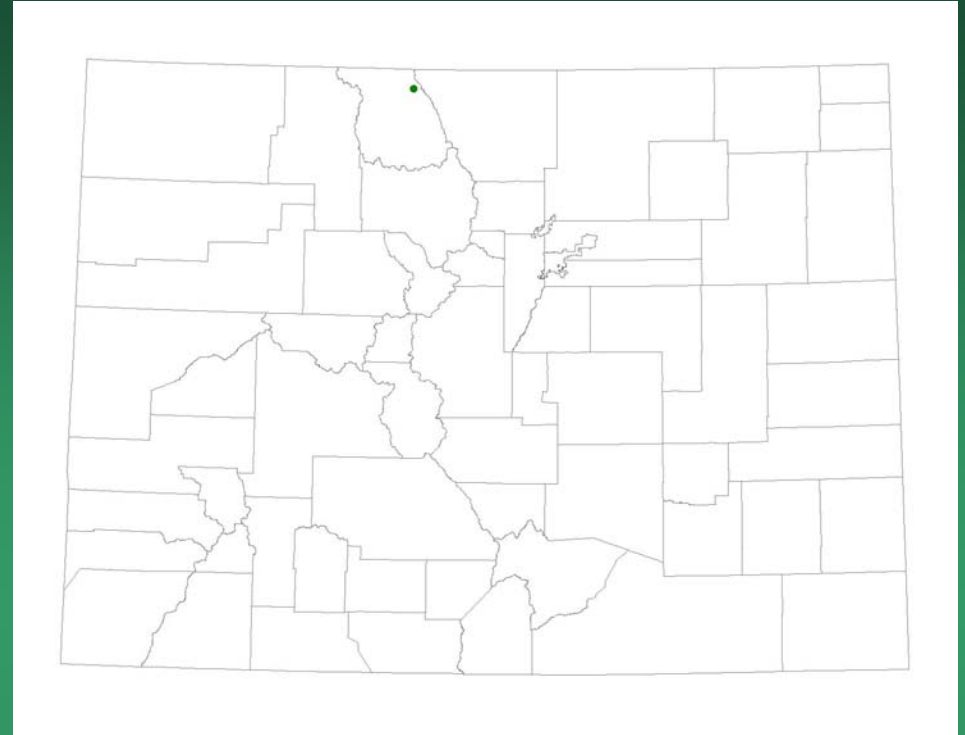
Cirsium scapanolepis
Mountain slope thistle



- Federal status: none
- Heritage ranks: G1G2Q/S1
- Global distribution: Colorado endemic
- Last observed in Colorado: 1900-1983?
- Colorado occurrences: unknown, obscure
- Colorado individuals: unknown
- Primary threats: weevils, unknown
- Land ownership/management: unknown



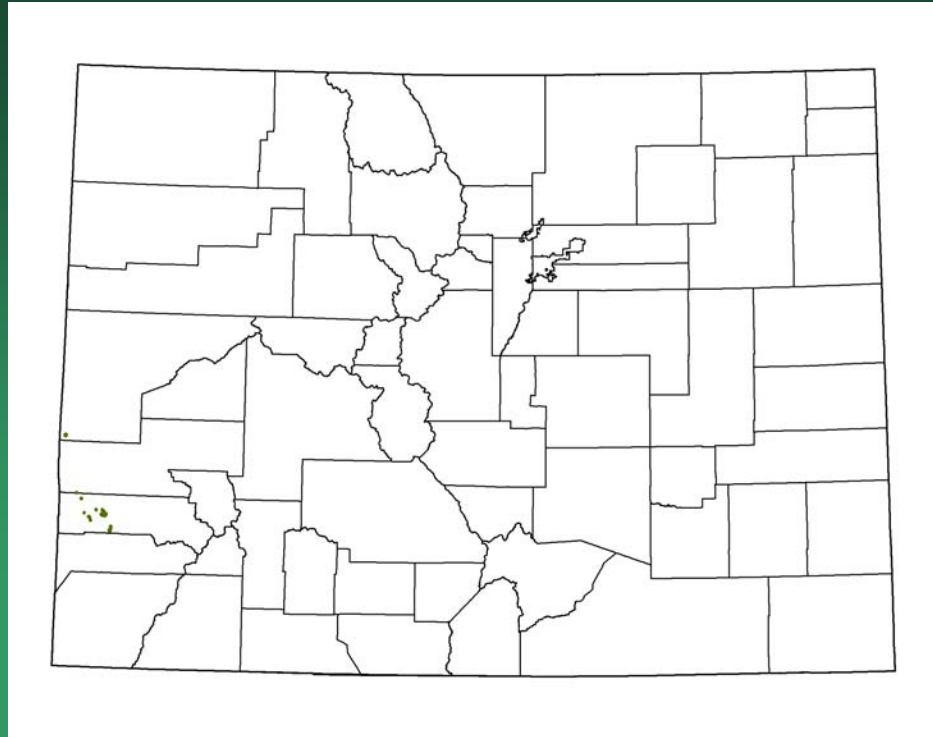
Corispermum navicula
Crescent bugseed



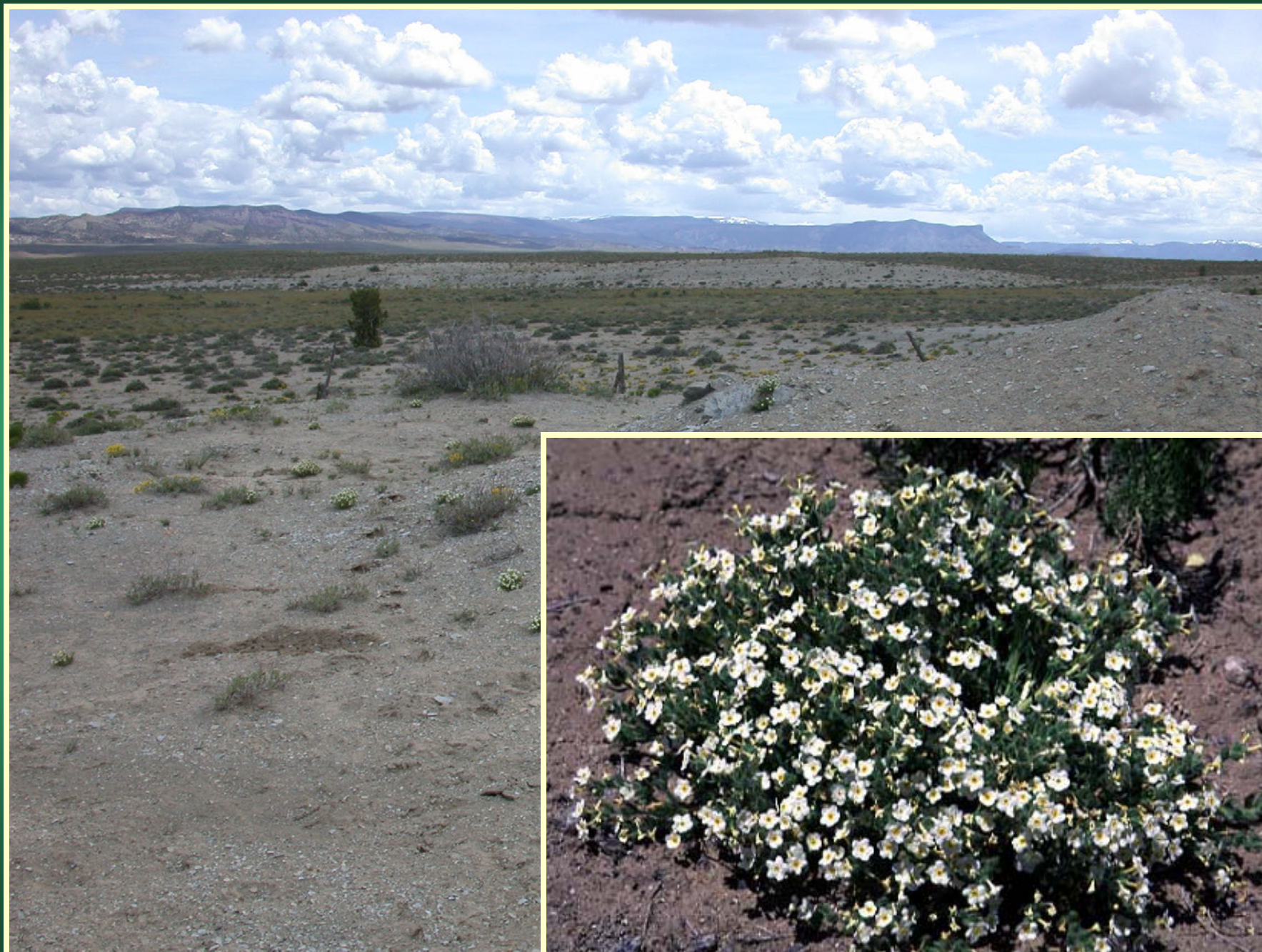
- Federal status: none
- Heritage ranks: G1?/S1
- Global distribution: Colorado endemic, possibly Oklahoma
- Last observed: 2006
- Occurrences: 2 principal occurrences
- Individuals: common locally
- Primary threats: off-road vehicle use
- Land ownership/management: BLM, Kremmling Field Office



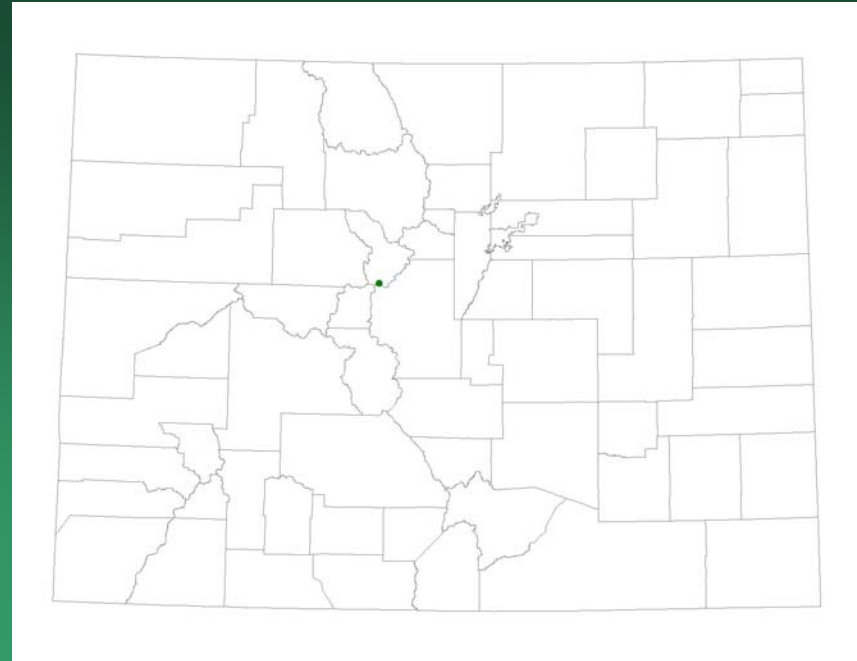
Cryptantha gypsophila
Gypsum Valley Cat-eye



- Federal status: none
- Heritage ranks: **G1G2/S1S2**
- S2Global distribution: Colorado endemic, Mesa, Montrose & San Miguel Counties
- Last observed: 2005
- Occurrences: **8 principal occurrences.**
- Individuals: **25,100+**
- Primary threats: oil and gas development, grazing, ATVs, recreation, roads
- Land ownership/management: BLM, Private



Draba weberi
Weber's draba



- Federal status: none
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic, Monte Cristo Creek drainage in Summit County
- Last observed: 2006
- Occurrences: 1
- Individuals: 20-100
- Primary threats: road and dam construction and maintenance, environmental stochasticity, recreation, mining, noxious weeds, climate change
- Land ownership/management: private (Colo. Spgs. Utilities)



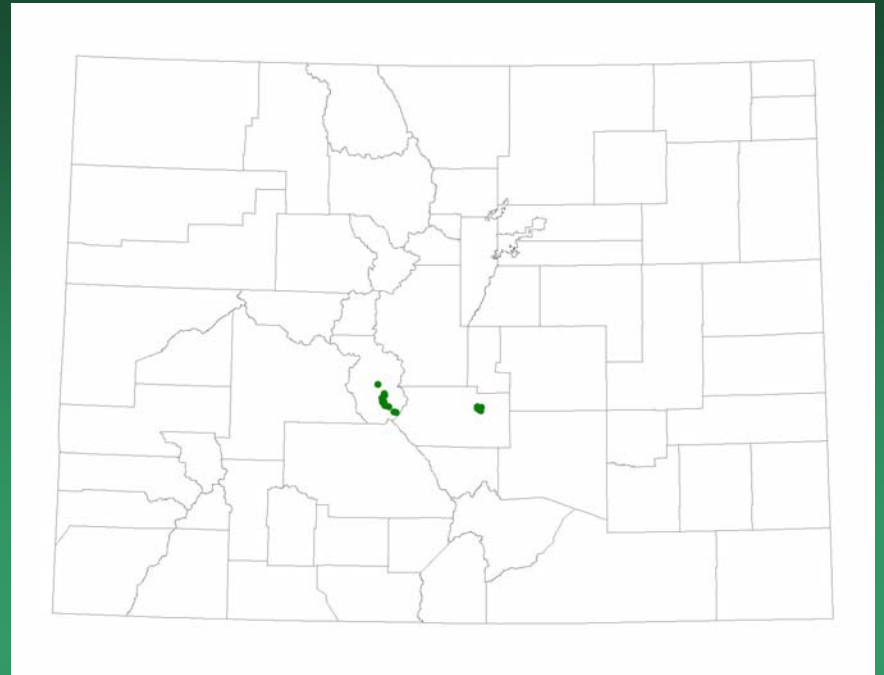
Erigeron wilkenii
Dieter's fleabane



- Federal status: none
- Heritage ranks: G1/S1
- Global distribution: endemic to Colorado (Dinosaur National Monument, Moffat County)
- Last observed: 1995
- Occurrences: 4 (one is imprecisely described and may overlap with one of the other 3)
- Individuals: 1,000-3,000
- Primary threats: no specific threats known
- Land ownership: Dinosaur NM



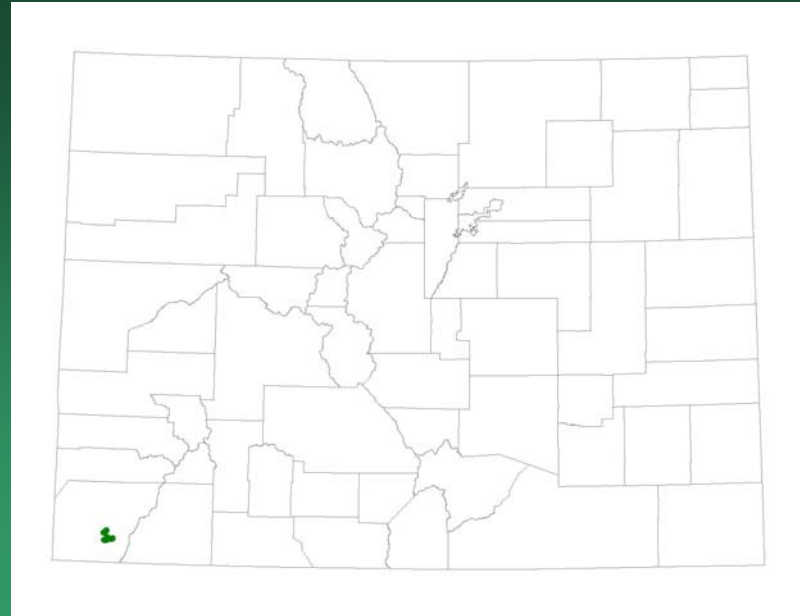
Eriogonum brandegeei
Brandegee's buckwheat



- Federal status: USFS and BLM sensitive
- Heritage ranks: G1G2/S1S2
- Global distribution: Colorado endemic, Chaffee and Fremont counties
- Last observed: 2006
- Individuals: 35,000-several million
- Occurrences: 9
- Primary threats: off-road vehicle use and other recreation, residential and commercial development, timbering, mining, highway maintenance, weeds, grazing
- Land ownership/management: BLM (some within ACECs), state, private, highway right of way



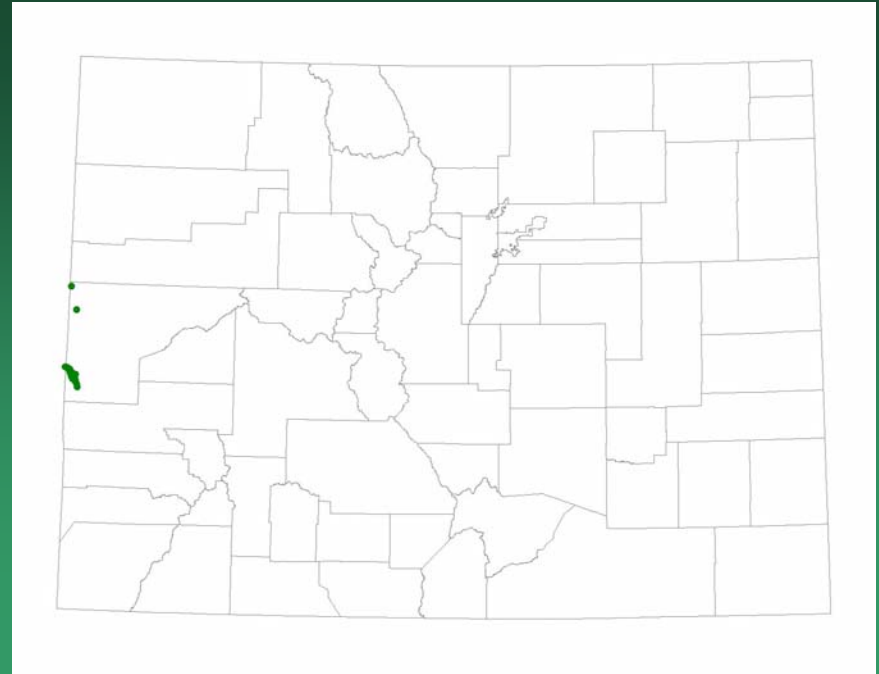
Hackelia gracilentia
Mesa Verde stickseed



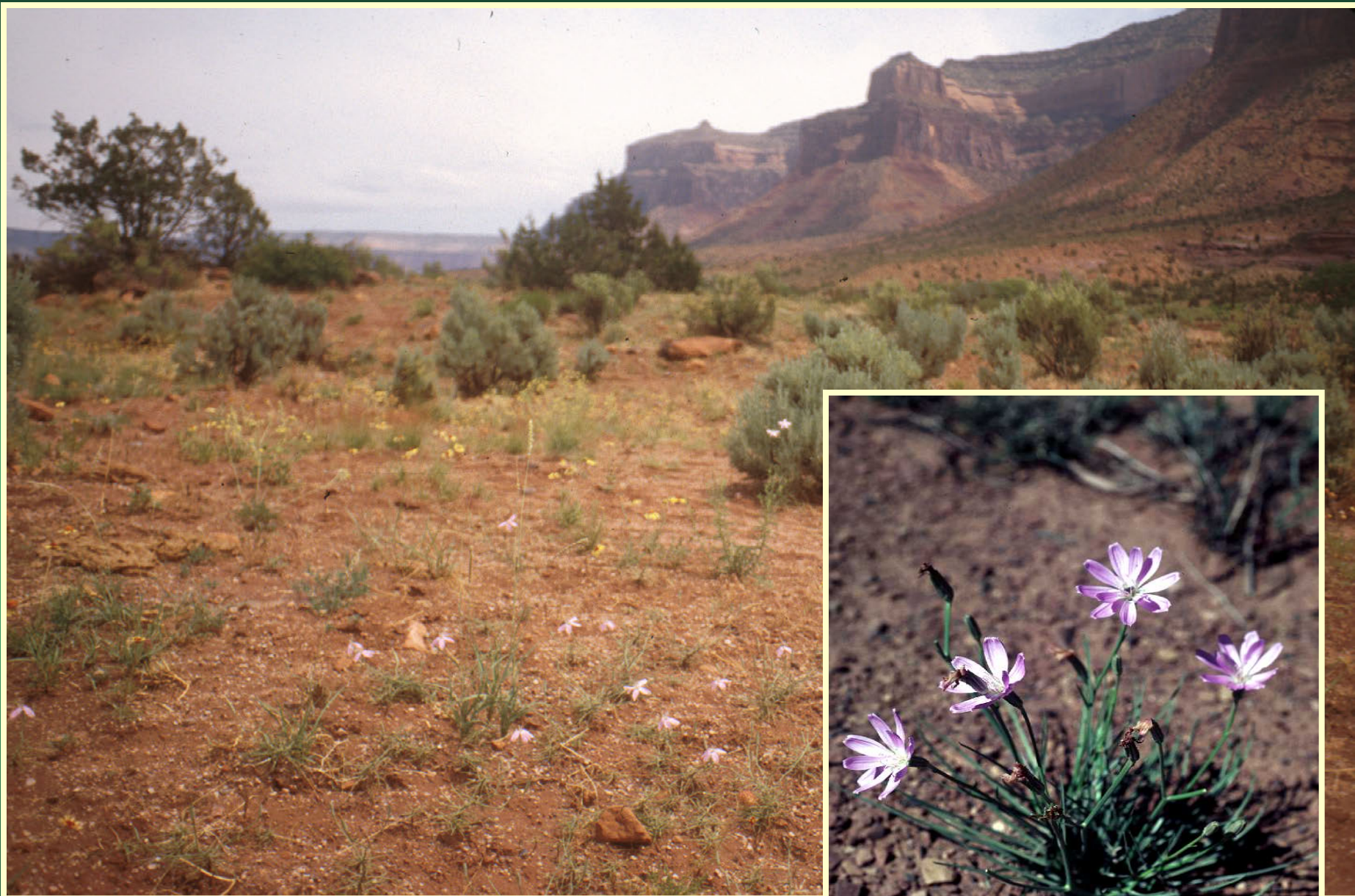
- Federal status: none
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic, Mesa Verde National Park, Montezuma County
- Last observed: 1997 (some not since 1980)
- Occurrences: 10 (most have not been updated in CNHP databases in 25 or more years)
- Individuals: unknown, may be <1000
- Primary threats: Unknown, possibly recreation, and/or developments in the Park, such as trails or roads. Fires may have had an impact on this species.
- Land ownership/management: Mesa Verde NP



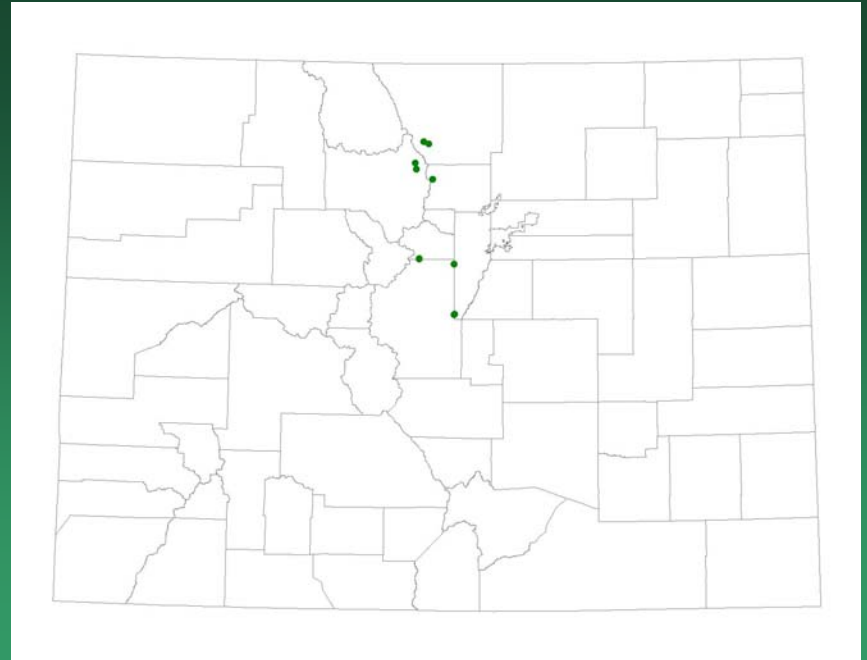
Lygodesmia doloresensis
Dolores River skeletonplant



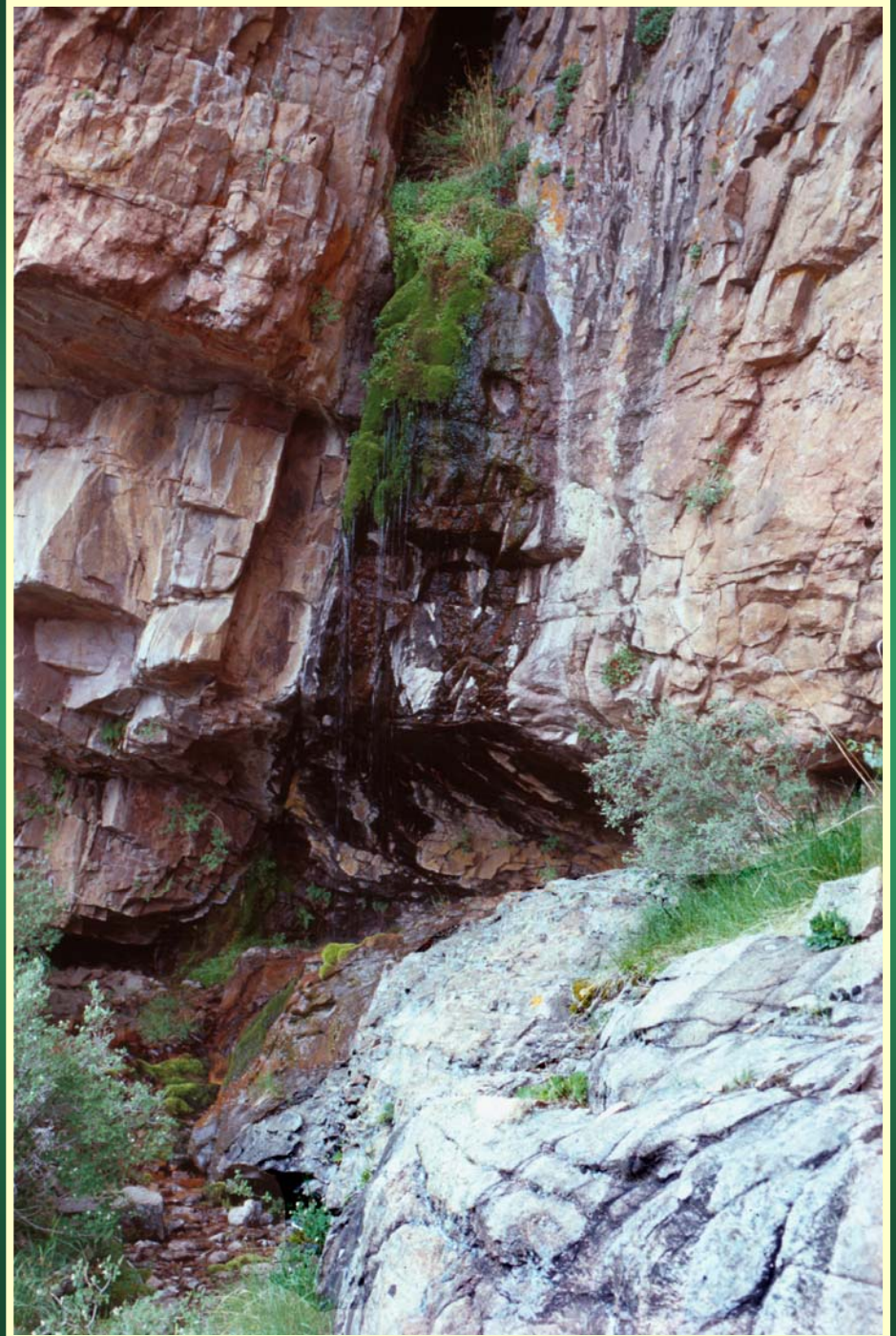
- Federal status: BLM sensitive in CO
- Heritage ranks: G1G2/S1
- Global distribution: Utah and Colorado (Mesa County)
- Last observed in Colorado: 2007
- Colorado occurrences: 11 or 12
- Colorado individuals: 2470
- Primary threats: deer, rabbit, and cattle grazing, private land development, road maintenance, weeds
- Land ownership/management: private, BLM



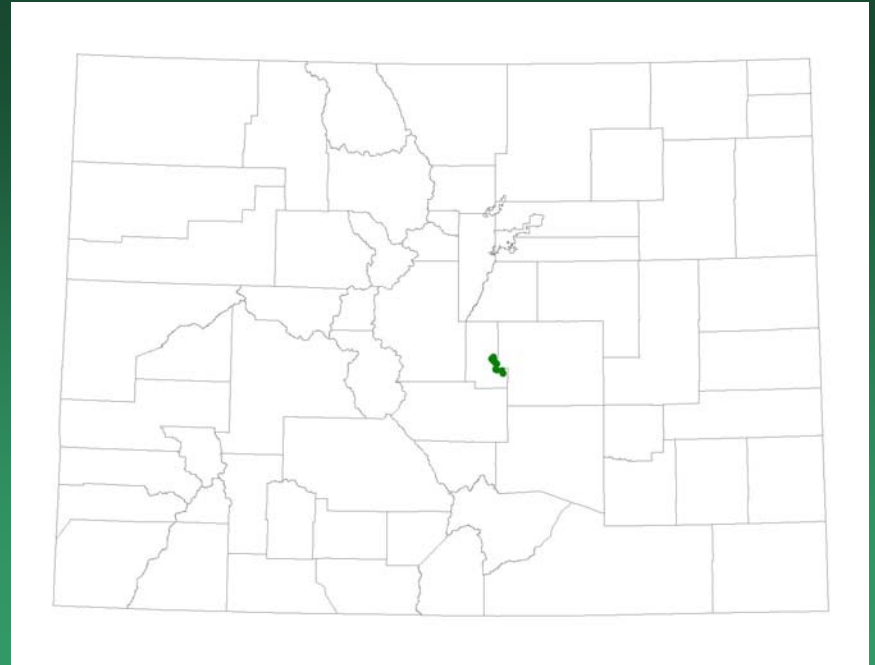
Mimulus gemmiparus
Budding monkeyflower



- Federal status: USFS sensitive
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic, Boulder, Clear Creek, Jefferson, Grand, and Larimer counties
- Last observed: 2006
- Occurrences: 8
- Individuals: >125,000
- Primary threats: recreational activities, trampling, competition from other plants, interference with hydrology
- Land ownership/management: Rocky Mountain NP, Pike and Arapaho Roosevelt National Forests



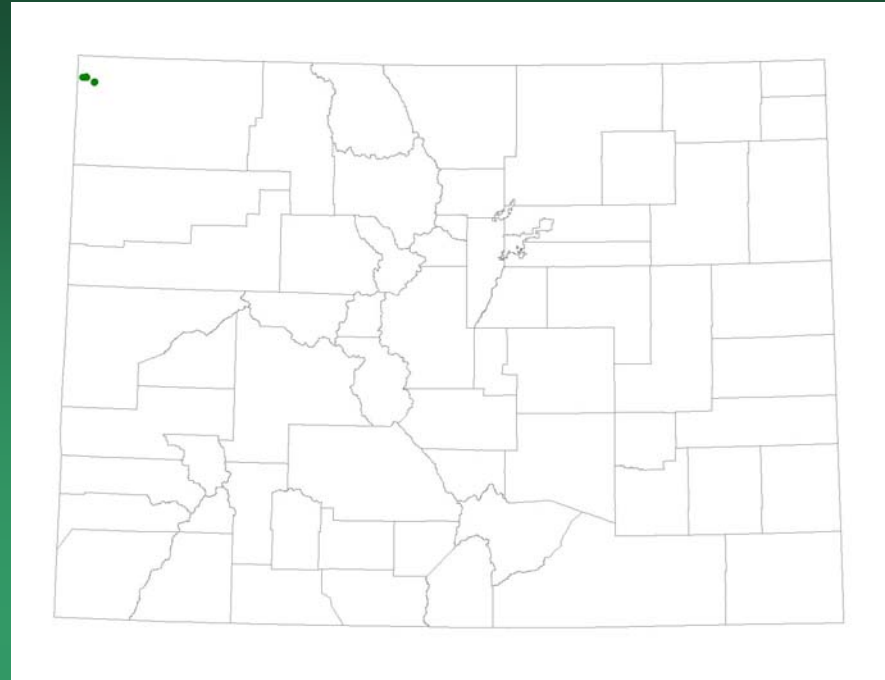
Oreoxis humilis
Pike's Peak alpine parsley



- Federal status: none
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic (El Paso and Teller counties)
- Last observed: 2005
- Occurrences: 3 principal occurrences
- Individuals: 4,340 (tens of thousands estimated)
- Primary threats: road erosion and construction, structure maintenance, motorized and non-motorized recreation, herbivory, weeds
- Land ownership/management: Pike National Forest, private (Colorado Springs Utilities)



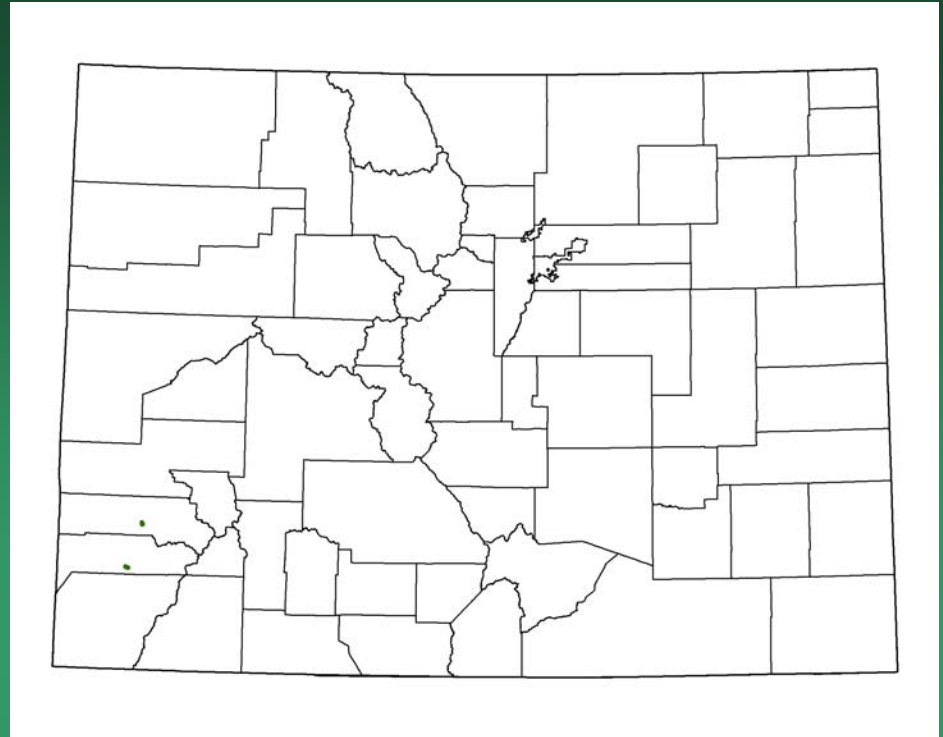
Penstemon gibbensii
Gibbens' beardtongue



- Federal status: BLM sensitive
- Heritage ranks: G1/S1
- Global distribution: SC Wyoming, NE Utah, and NW Colorado
- Last observed in Colorado: 1999
- Occurrences: 7 total, 2 in CO
- Individuals: 17,000 individuals total, 6,300 in Colorado
- Primary threats in CO: noxious weeds, grazing, recreational activities, and uranium mining
- Land ownership in CO: BLM, National Wildlife Refuge



Physaria pulvinata
Cushion bladderpod



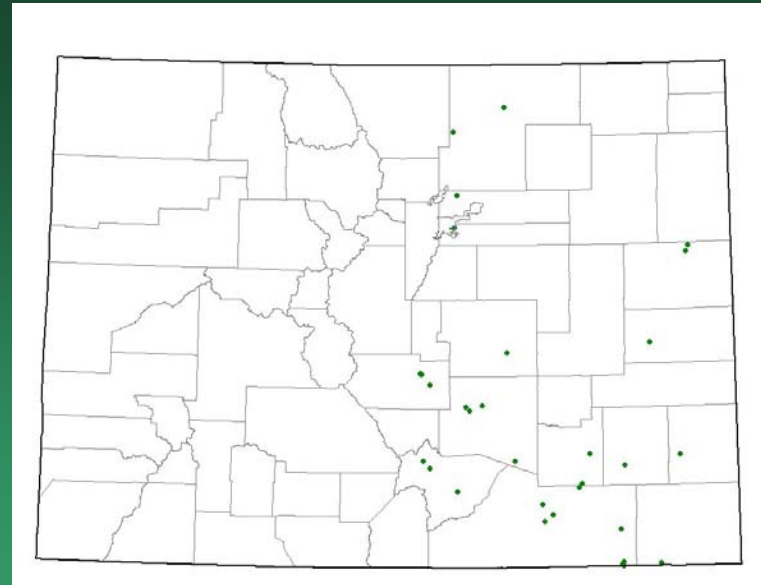
- Federal status: USFS sensitive
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic, San Miguel and Dolores counties
- Last observed: 2007
- Occurrences: 2 locations
- Individuals: 7150+
- Primary threats: recreation, livestock trampling, weed control, habitat modification for sage grouse management, roads
- Land ownership/management: Colorado: Miramonte SWA and Lone Mesa State Park, San Juan NF; BLM, private



2006
Colorado Springs

G2 species

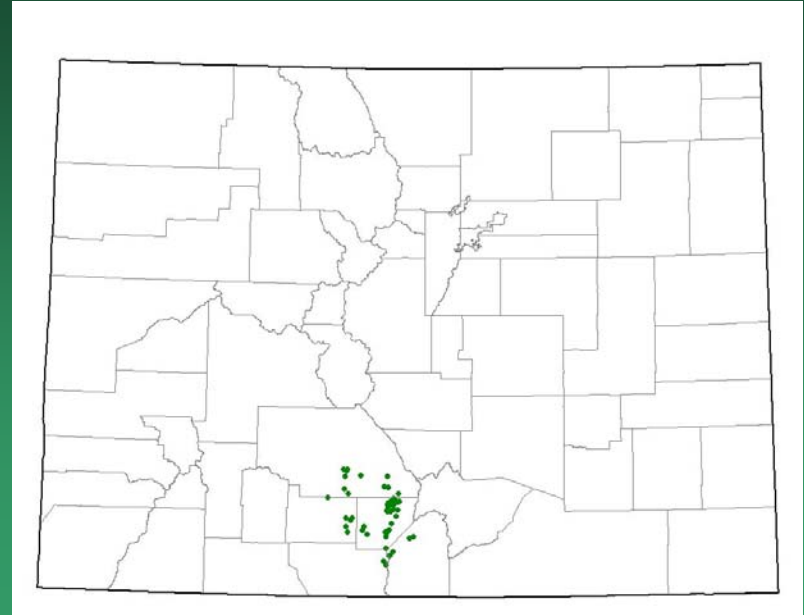
Asclepias uncialis ssp. *uncialis*
Dwarf milkweed



- Federal status: BLM/USFS sensitive
- Heritage ranks: G3G4T2T3/S2
- Global distribution: Arizona, Texas, New Mexico, Wyoming, Oklahoma and Eastern Colorado (Las Animas, Weld, Kit Carson, Huerfano, Pueblo, Otero, Prowers, Fremont, and El Paso counties)
- Last observed in Colorado: 2007
- Colorado occurrences: 20 extant, 13 historical
- Colorado individuals: ~500
- Primary threats: Population limitation by unknown biological requirements, altered disturbance regime, habitat loss, spread of exotic species, global climate change
- Land ownership/management: BLM, Military, Forest Service, Private, and State lands



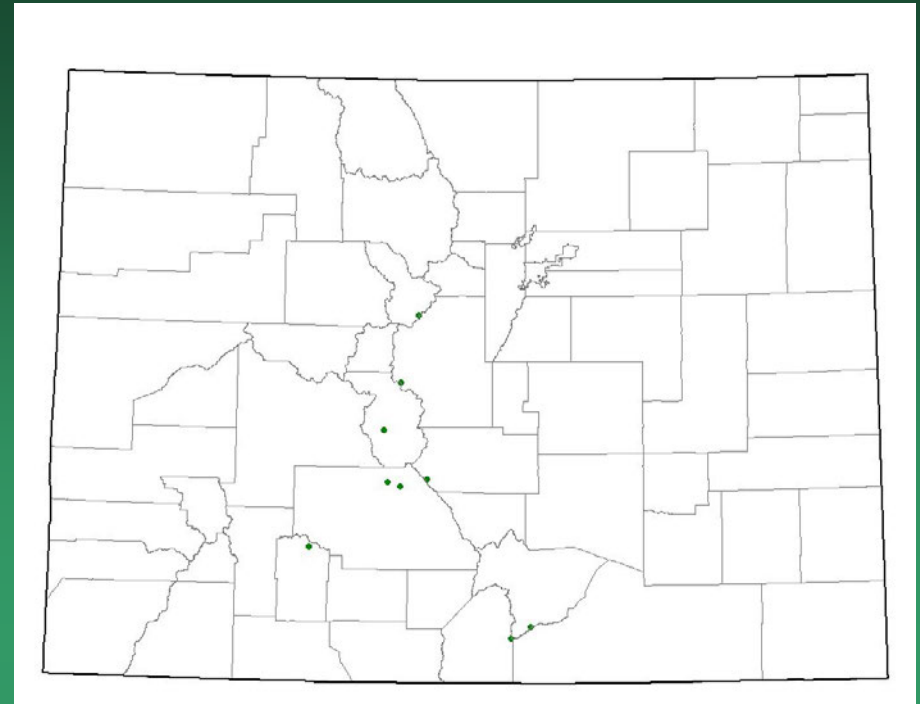
Cleome multicaulis
Slender spiderflower



- Federal status: BLM sensitive
- Heritage ranks: G2G3/S2S3
- Global distribution: Mexico, Texas, Arizona, New Mexico, Wyoming and Colorado (Alamosa, Conejos, Costilla, Rio Grande, and Saguache counties)
- Last observed in Colorado: 2005
- Colorado occurrences: 35
- Colorado individuals: ~5,132,000
- Primary threats: draining of wetlands
- Land ownership/management: BLM, National Wildlife Refuge, Private, State, and Wilderness



Delphinium ramosum var. *alpestre*
= *Delphinium alpestre*
Colorado larkspur

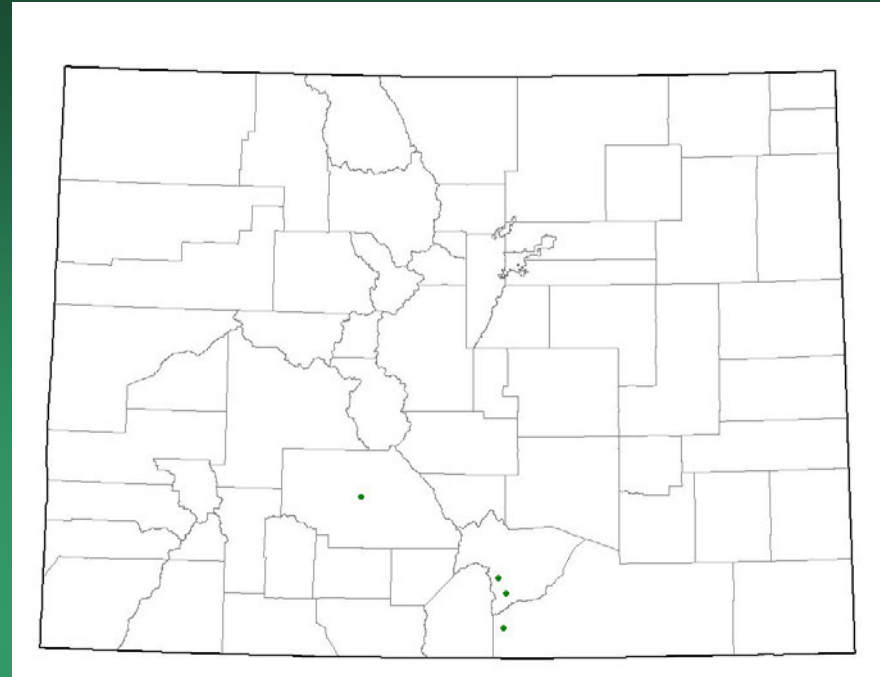


- Federal status: none
- Heritage ranks: G2/S2
- Global distribution: New Mexico and Colorado (Costilla, Chaffee, Fremont, Huerfano, Las Animas, Mineral, Park, Saguache, and Summit counties)
- Last observed in Colorado: 2005
- Colorado occurrences: 9, 4 historical
- Colorado individuals: ~75
- Primary threats: Trampling from recreational activities
- Land ownership/management: Forest Service, Private and Wilderness Areas



T. Todsén

Delphinium robustum
Wahatoya Creek larkspur

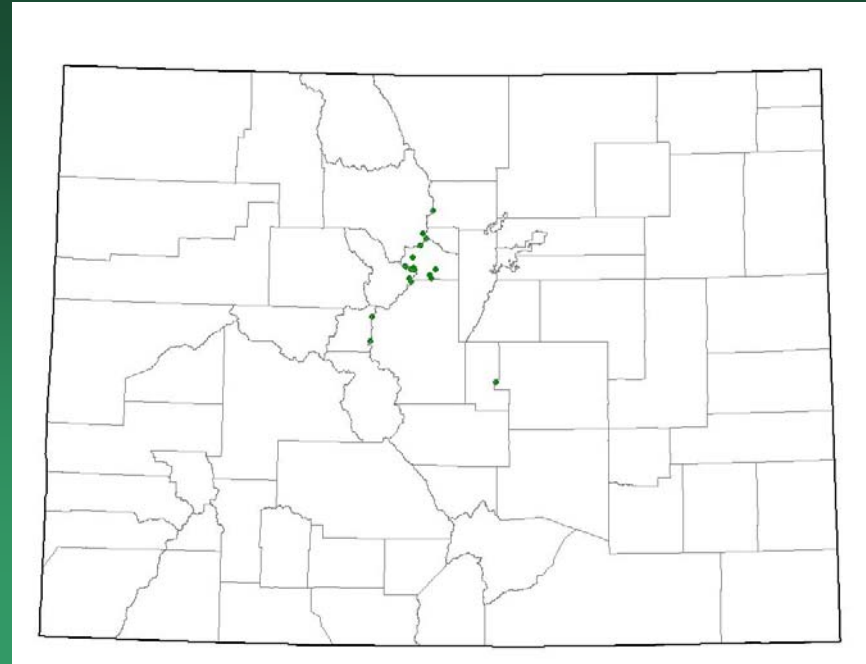


- Federal status: none
- Heritage ranks: G2?/S2?
- Global distribution: New Mexico and Colorado (Huerfano, El Paso, Las Animas, and Saguache counties)
- Last observed in Colorado: 1969
- Colorado occurrences: 4-9
- Colorado individuals: unknown
- Primary threats: Some species of *Delphinium* are poisonous to cattle, so the genus as a whole is sometimes targeted for poisonous weed control
- Land ownership/management: BLM, Forest Service, Private and State



J. Stewart

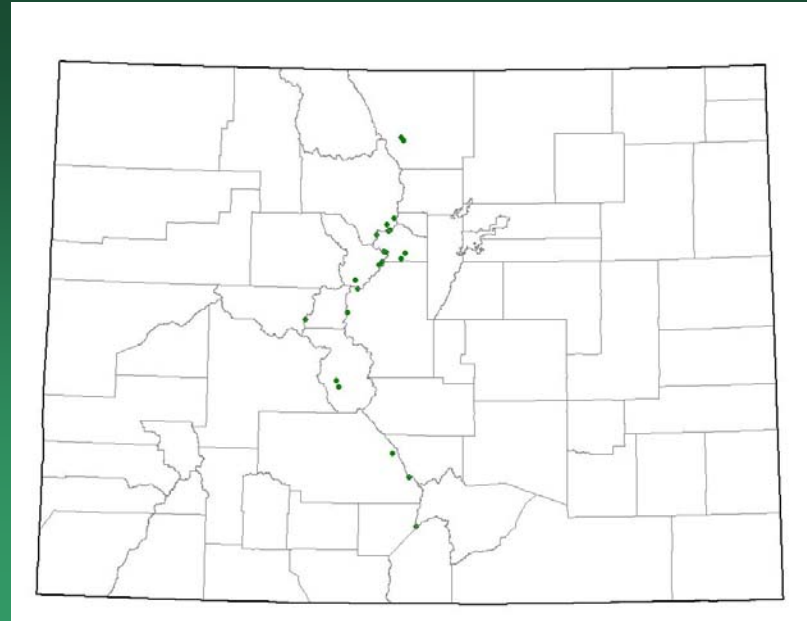
Draba exunguiculata
Clawless draba



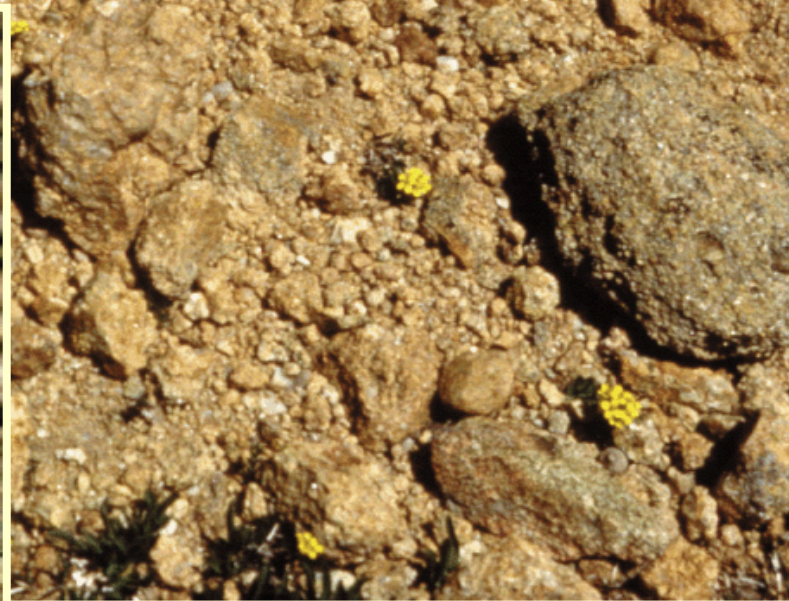
- Federal status: USFS sensitive
- Heritage ranks: G2/S2
- Global distribution: endemic to Colorado (Boulder, Clear Creek, El Paso, Gilpin, Grand, Lake, Park and Summit counties)
- Last observed in Colorado: 2006
- Colorado occurrences: 19
- Colorado individuals: ~250
- Primary threats: Trampling from hikers and mountain goats, over-collection for gardens, acid rain, air pollution, and global warming
- Land ownership/management: BLM, Forest Service, Private, State and Wilderness Areas



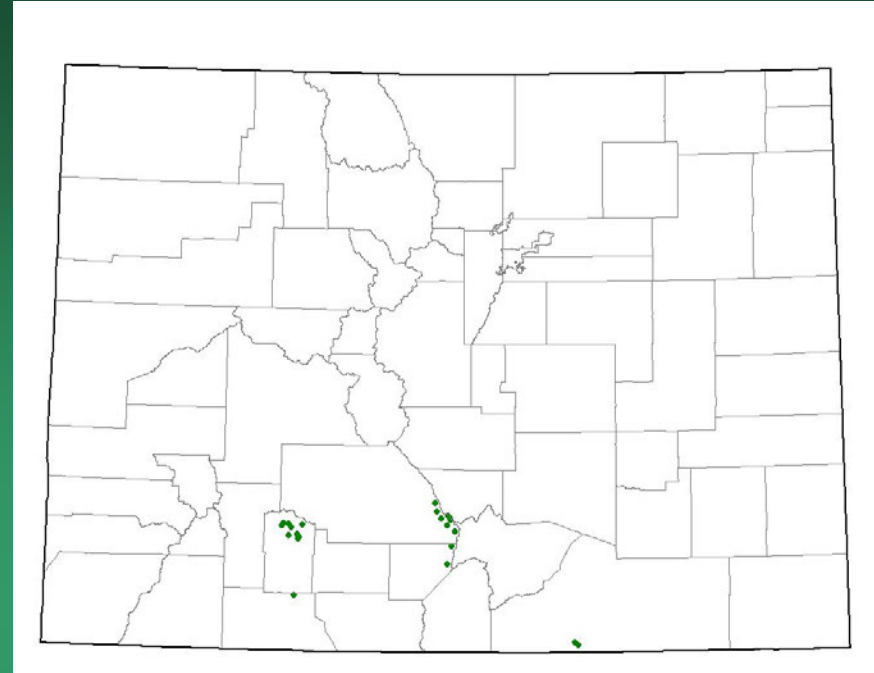
Draba grayana
Gray's Peak whitlow-grass



- Federal status: USFS sensitive
- Heritage ranks: G2/S2
- Global distribution: endemic to Colorado (Chaffee, Clear Creek, Grand, Huerfano, Larimer, Park, Pitkin, Saguache, and Summit counties)
- Last observed in Colorado: 2006
- Colorado occurrences: 34
- Colorado individuals: ~200
- Primary threats: Trampling from hikers and mountain goats, over-collection for gardens and global warming
- Land ownership/management: Forest Service, National Parks and Monuments, Private and Wilderness Areas



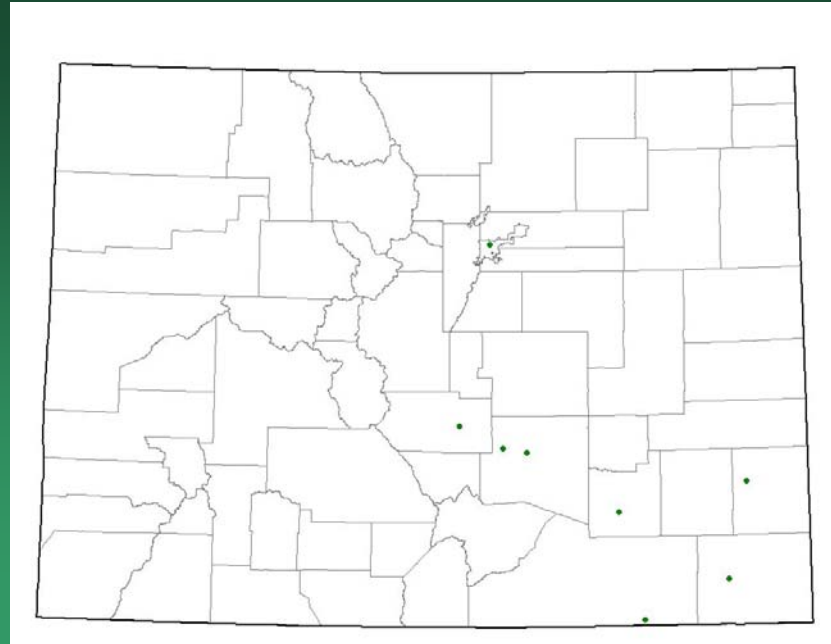
Draba smithii
Smith's whitlow-grass



- Federal status: USFS sensitive
- Heritage ranks: G2/S2
- Global distribution: endemic to Colorado (Alamosa, Archuleta, Custer, Las Animas, Mineral, and Saguache counties)
- Last observed in Colorado: 2005
- Colorado occurrences: 21-22, 5 historical
- Colorado individuals: ~3200
- Primary threats: Habitat modification from hiking and construction
- Land ownership/management: Forest Service, Private and State



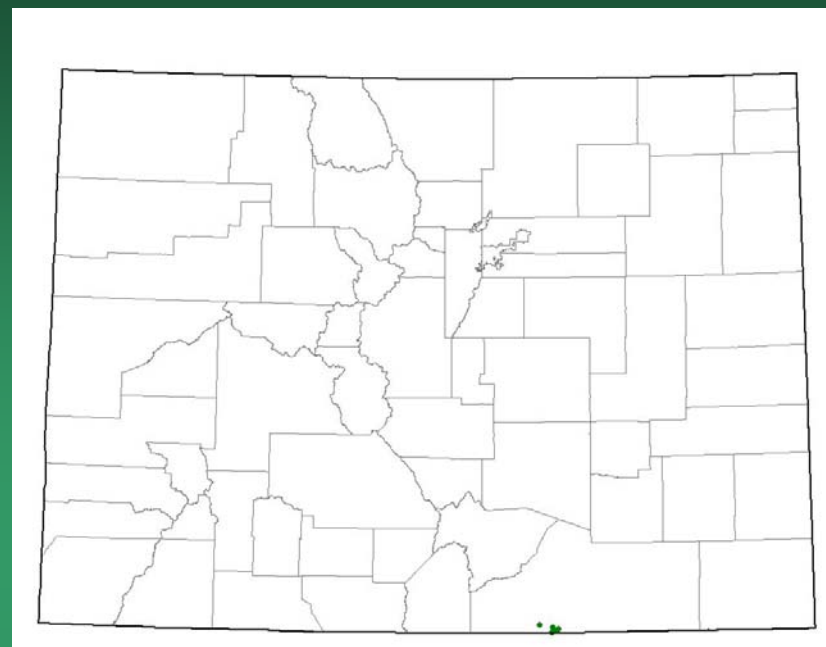
Grindelia inornata
Colorado gumweed



- Federal status: none
- Heritage ranks: G4/S4
- Global distribution: endemic to Colorado (Baca, Denver, Fremont, Las Animas, Otero, Prowers, and Pueblo counties)
- Last observed in Colorado: 6/15/2003
- Colorado occurrences: 8 in CNHP db, but thought to be much more common
- Colorado individuals: unknown
- Primary threats: Residential and commercial development, and road maintenance activities
- Land ownership/management: BLM, Military, Forest Service, Private and State



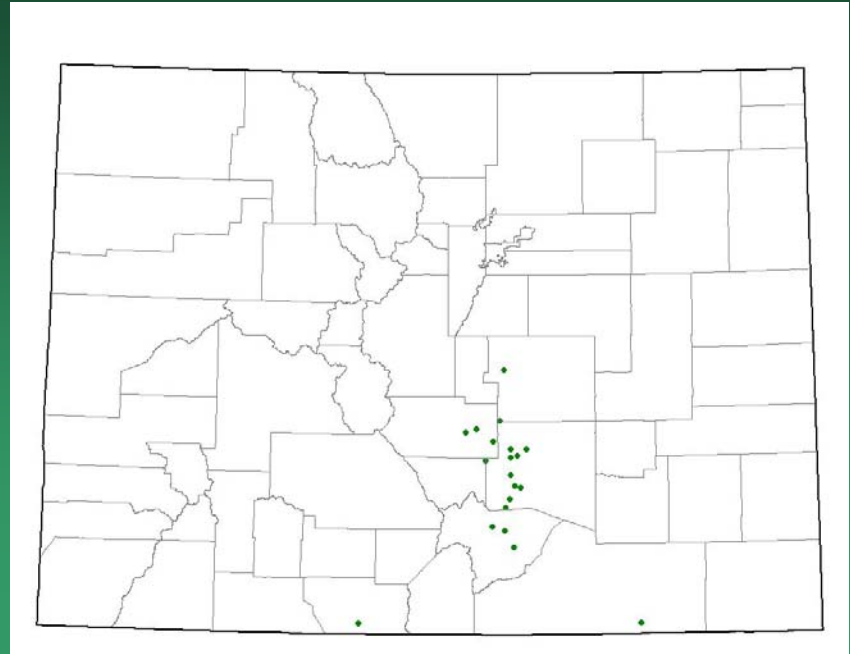
Herrickia horrida = *Eurybia horrida*
Canadian River spiny aster or
Horrid herrickia



- Federal status: none
- Heritage ranks: G2?/S1
- Global distribution: New Mexico and Colorado (Las Animas County)
- Last observed in Colorado: 1999
- Colorado occurrences: 5, 2 historical
- Colorado individuals: unknown
- Primary threats: unknown
- Land ownership/management: Private



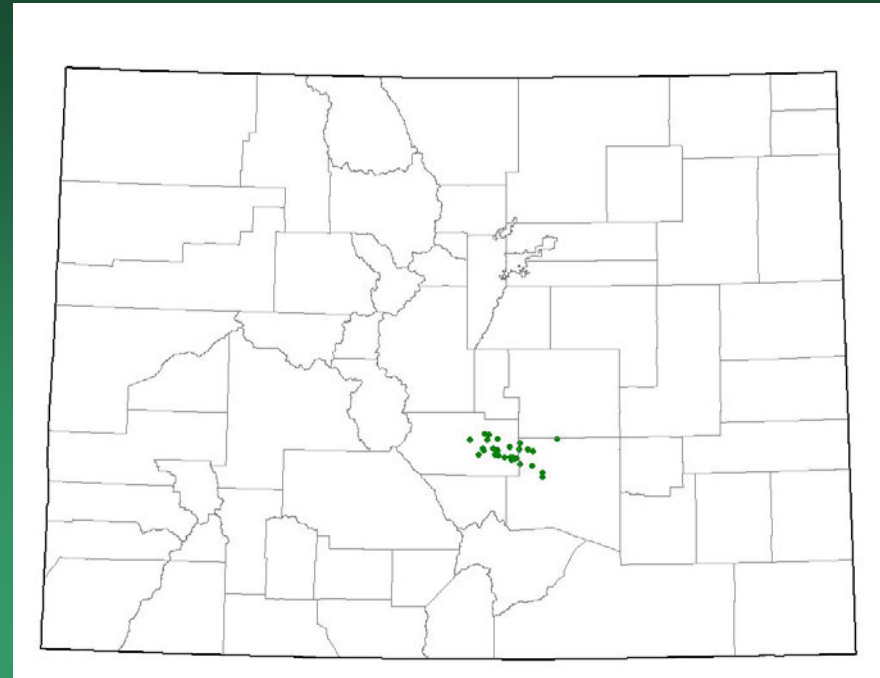
Lesquerella calcicola
Rocky Mountain bladderpod



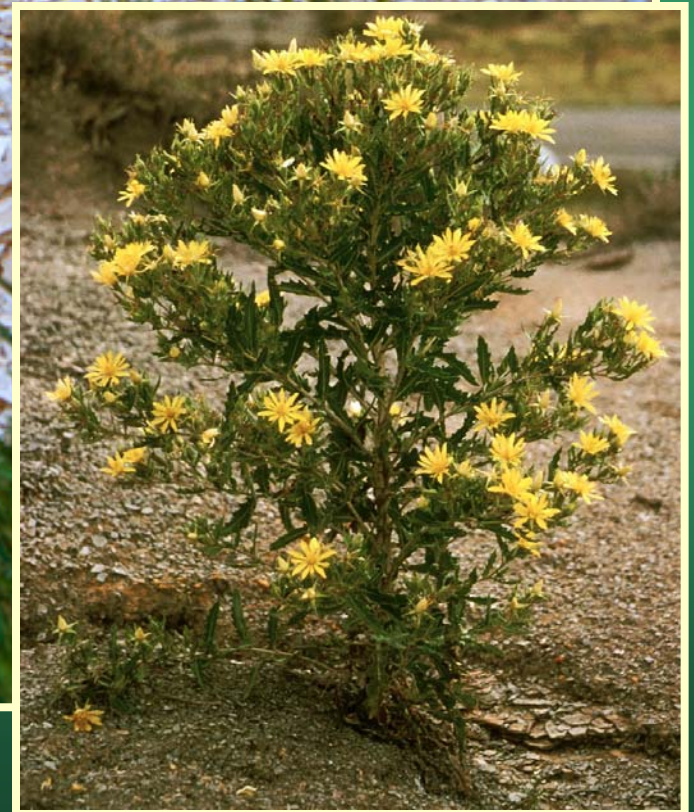
- Federal status: none
- Heritage ranks: G2/S2
- Global distribution: New Mexico and Colorado (Conejos, El Paso, Fremont, Huerfano, Las Animas, and Pueblo counties)
- Last observed in Colorado: 2006
- Colorado occurrences: 25, 3 historical
- Colorado individuals: ~2000
- Primary threats: This species occurs in areas that are experiencing rapid development pressures
- Land ownership/management: BLM, Military, Private, and State



Nuttallia chrysantha =
Mentzelia chrysantha
Golden blazing star

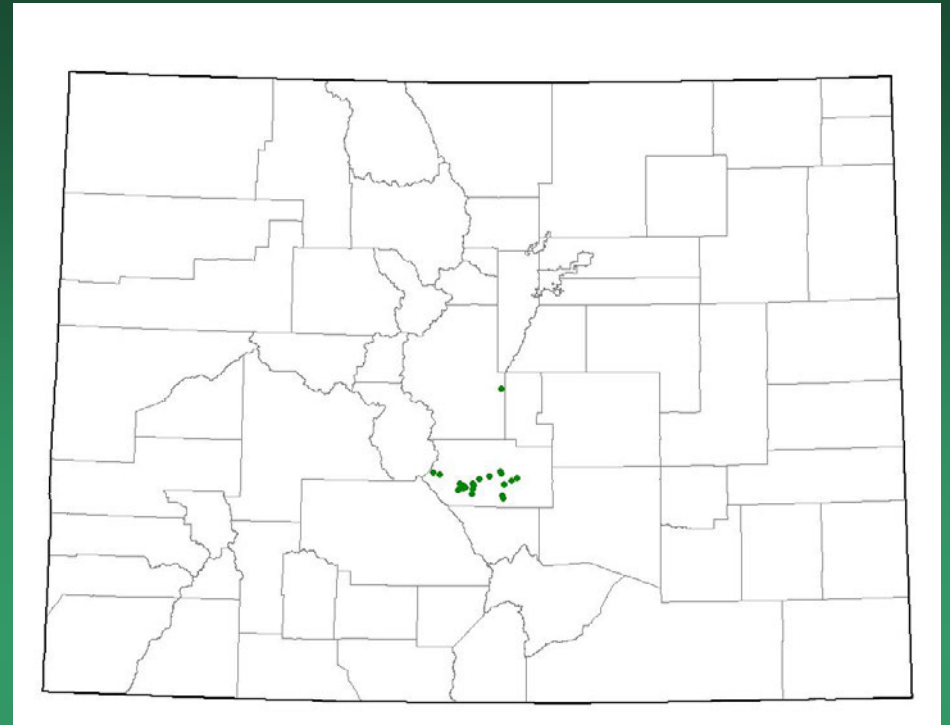


- Federal status: BLM sensitive
- Heritage ranks: G2/S2
- Global distribution: endemic to Colorado (Fremont, El Paso, and Pueblo counties)
- Last observed in Colorado: 2007
- Colorado occurrences: 27, 3 historical
- Colorado individuals: ~4100
- Primary threats: Grazing, quarry activities, and subdivision and road construction
- Land ownership/management: BLM, Military, Private and State



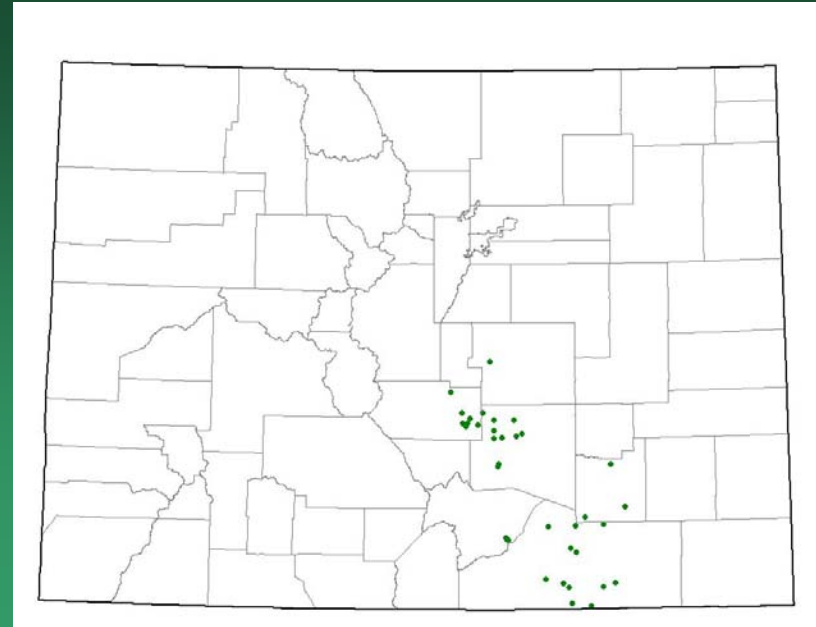
Nuttallia densa = *Mentzelia densa*
Arkansas Canyon stickleaf

- Federal status: BLM sensitive
- Heritage ranks: G2/S2
- Global distribution: endemic to Colorado (Fremont County)
- Last observed in Colorado: 2006
- Colorado occurrences: 15, 4 historical
- Colorado individuals: ~13,500
- Primary threats: Recreational development and road construction
- Land ownership/management: BLM, Forest Service, Private and State





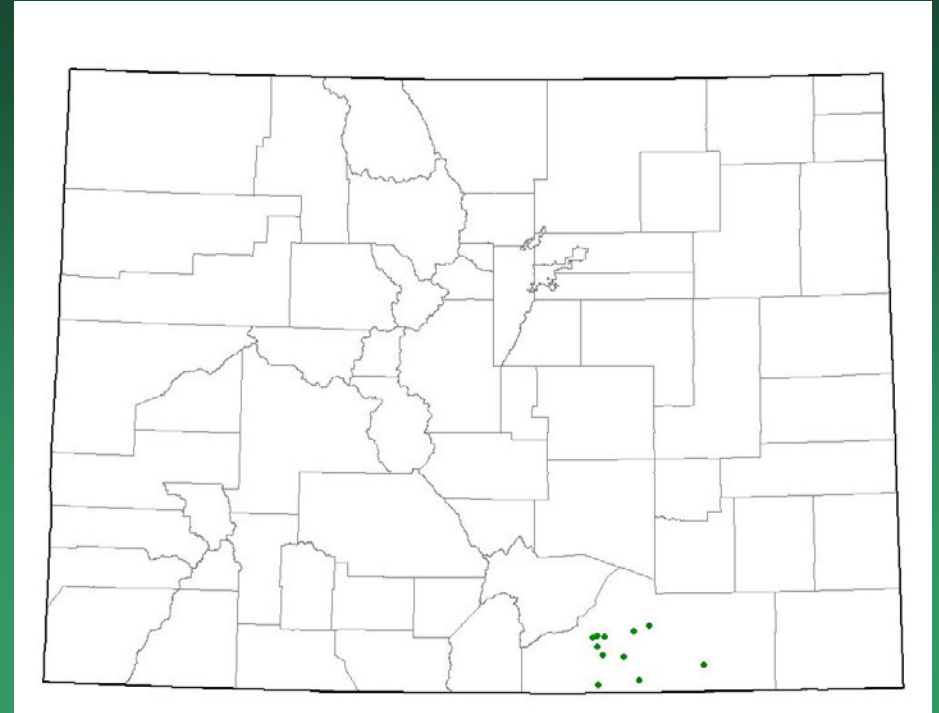
Oenothera harringtonii
Arkansas Valley evening primrose



- Federal status: USFS sensitive
- Heritage ranks: G2/S2
- Global distribution: endemic to Colorado (El Paso, Fremont, Huerfano, Las Animas, Otero, and Pueblo counties)
- Last observed in Colorado: 2007
- Colorado occurrences: 40, 9 historical
- Colorado individuals: ~1500
- Primary threats: Habitat loss due to urbanization, road development projects, and resource extraction activities, especially quarrying and surface mining
- Land ownership/management: BLM, Military, Forest Service, Private and State



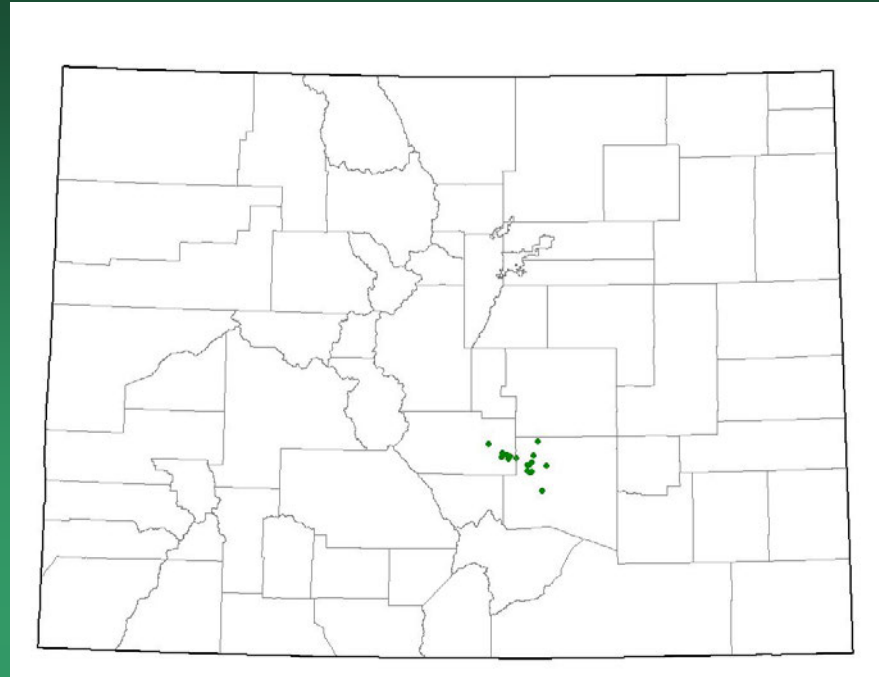
Oenopsis foliosa var. *monocephala*
Rayless goldenweed



- Federal status: none
- Heritage ranks: G2G3T2/S2
- Global distribution: endemic to Colorado (Las Animas, Pueblo, and Fremont counties)
- Last observed in Colorado: 2007
- Colorado occurrences: 12+
- Colorado individuals: 400,000+
- Primary threats: Maintenance on current roads or further developments may disturb or destroy individuals
- Land ownership/management: BLM, Military, Private and State



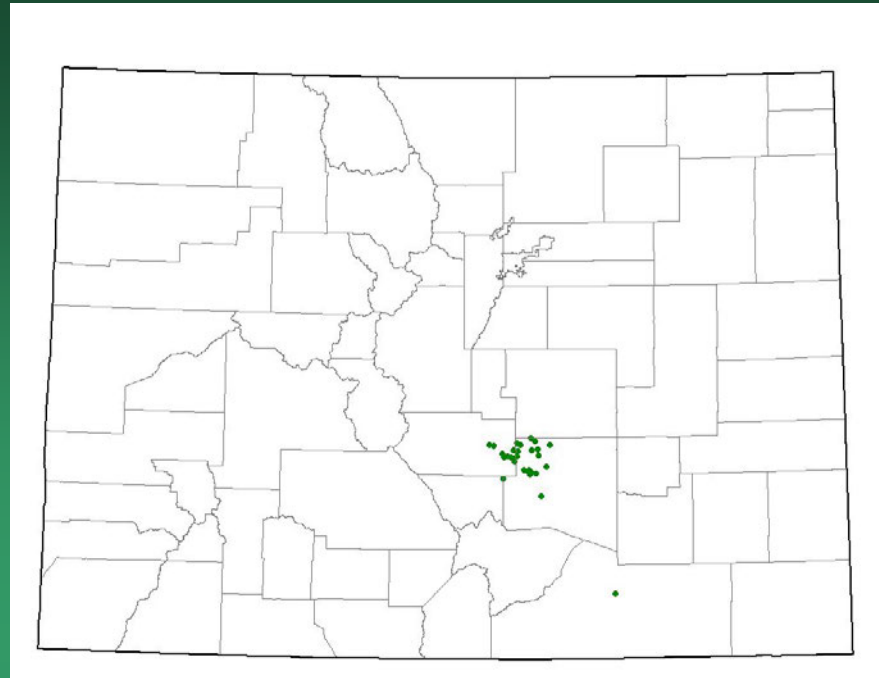
Oenopsis sp. 1 =
Oenopsis puebloensis
Pueblo goldenweed



- Federal status: none
- Heritage ranks: G2/S2
- Global distribution: endemic to Colorado (Fremont and Pueblo counties)
- Last observed in Colorado: 2007
- Colorado occurrences: 18
- Colorado individuals: ~11,000 or more
- Primary threats: Shale extraction by cement plants
- Land ownership/management: Private and Military



Oxybaphus rotundifolius
= *Mirabilis rotundifolia*
Round-leaf four-o'clock

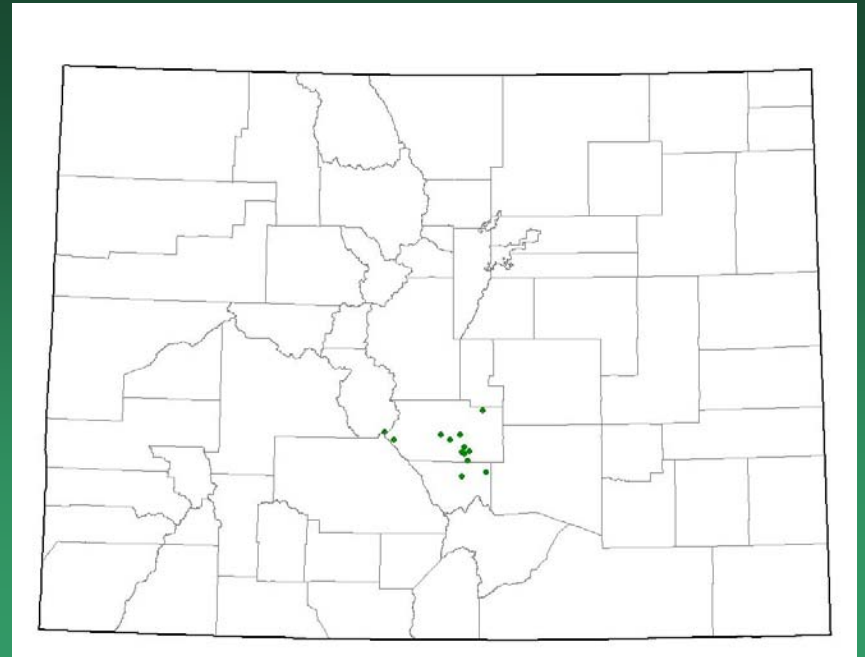


- Federal status: none
- Heritage ranks: G2/S2
- Global distribution: endemic to Colorado (Fremont, Las Animas, El Paso and Pueblo counties)
- Last observed in Colorado: 2007
- Colorado occurrences: 29, 1 historical
- Colorado individuals: ~6200
- Primary threats: Highly threatened by residential and recreational development
- Land ownership/management: BLM, Military, Private and State



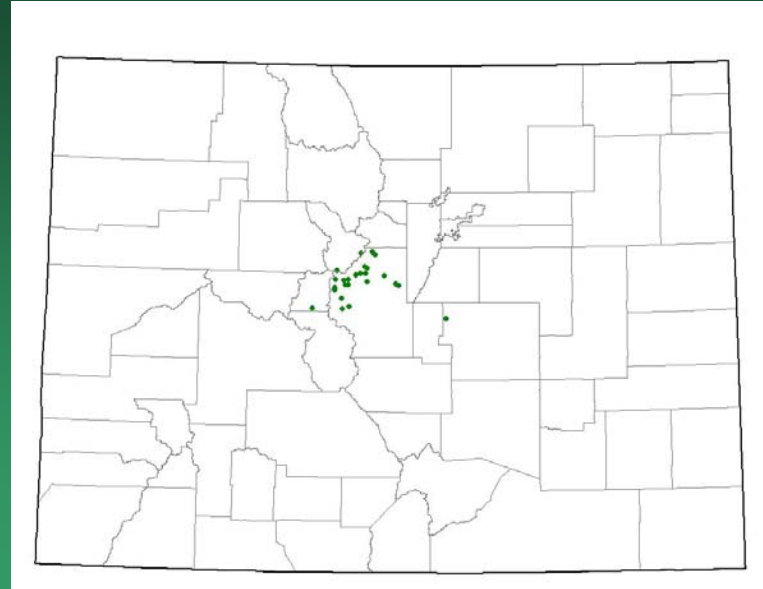
Penstemon degeneri
Degener beardtongue

- Federal status: USFS and BLM sensitive
- Heritage ranks: G2/S2
- Global distribution: endemic to Colorado (Chaffee, Custer and Fremont counties)
- Last observed in Colorado: 2007
- Colorado occurrences: 13, 1 historical
- Colorado individuals: ~1500
- Primary threats: Motorized and non-motorized recreation, non-native plant invasion, grazing and trampling, extensive herbivory, succession, and global environmental changes
- Land ownership/management: BLM, Forest Service, Private and State

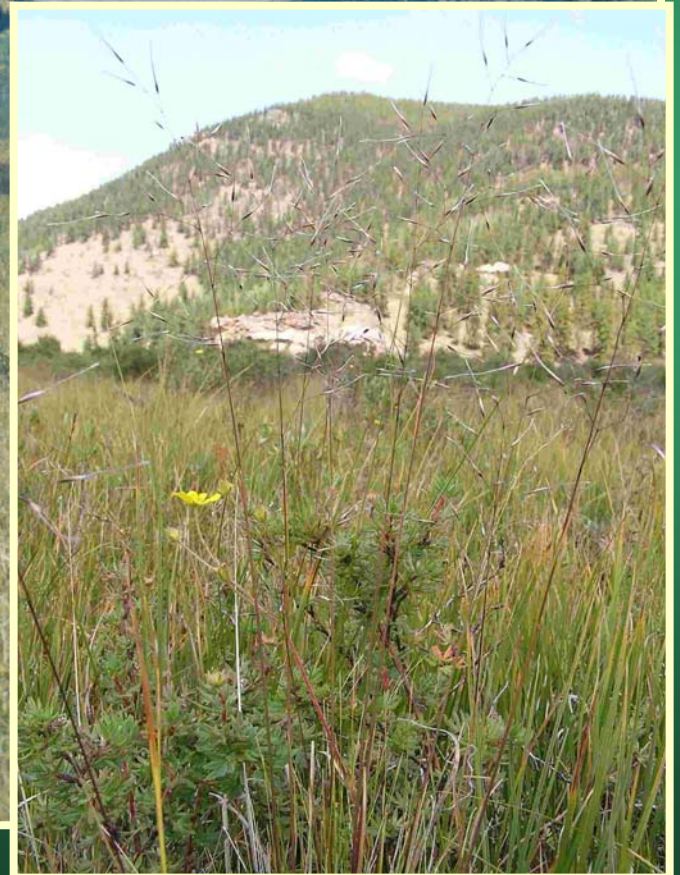




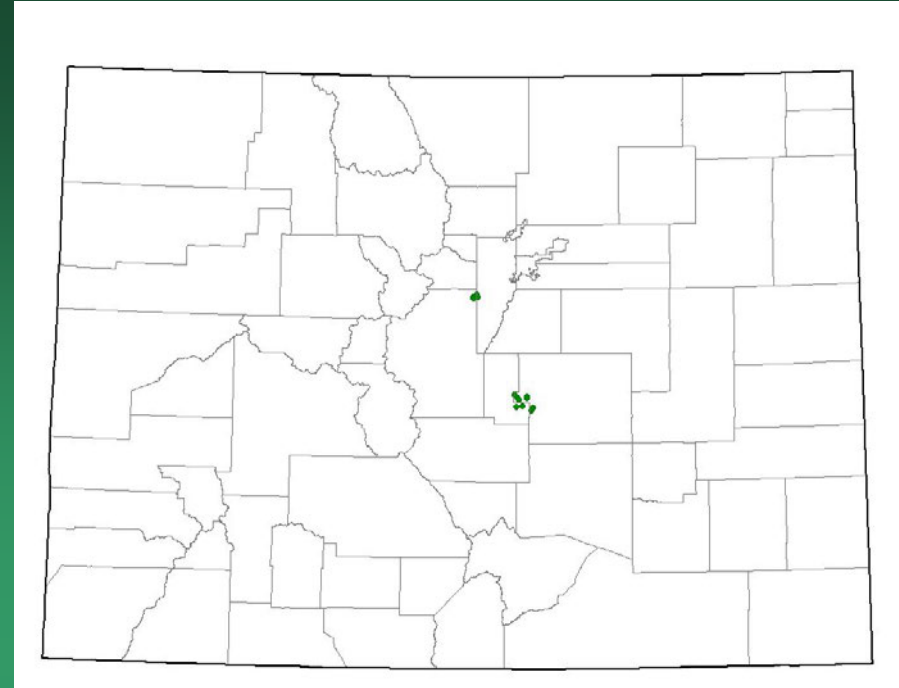
Ptilagrostis porteri
Porter feathergrass



- Federal status: USFS and BLM sensitive
- Heritage ranks: G2/S2
- Global distribution: endemic to Colorado (El Paso, Lake, Park and Summit counties)
- Last observed in Colorado: 2006
- Colorado occurrences: 25, 2 historical.
- Colorado individuals: ~408,000
- Primary threats: Alterations to the water table resulting from increased diversion and pumping for the metropolitan front range
- Land ownership/management: BLM, Forest Service, and Private



Telesonix jamesii
James' telesonix



- Federal status: none
- Heritage ranks: G2/S2
- Global distribution: New Mexico and Colorado (El Paso, Jefferson, Larimer, Park, and Teller counties)
- Last observed in Colorado: 2000
- Colorado occurrences: 15
- Colorado individuals: ~15,200
- Primary threats: Motorized and non-motorized recreation, trail or road construction and maintenance, invasive species introduction, and horticultural collection
- Land ownership/management: BLM, Military, Forest Service, Private and State

