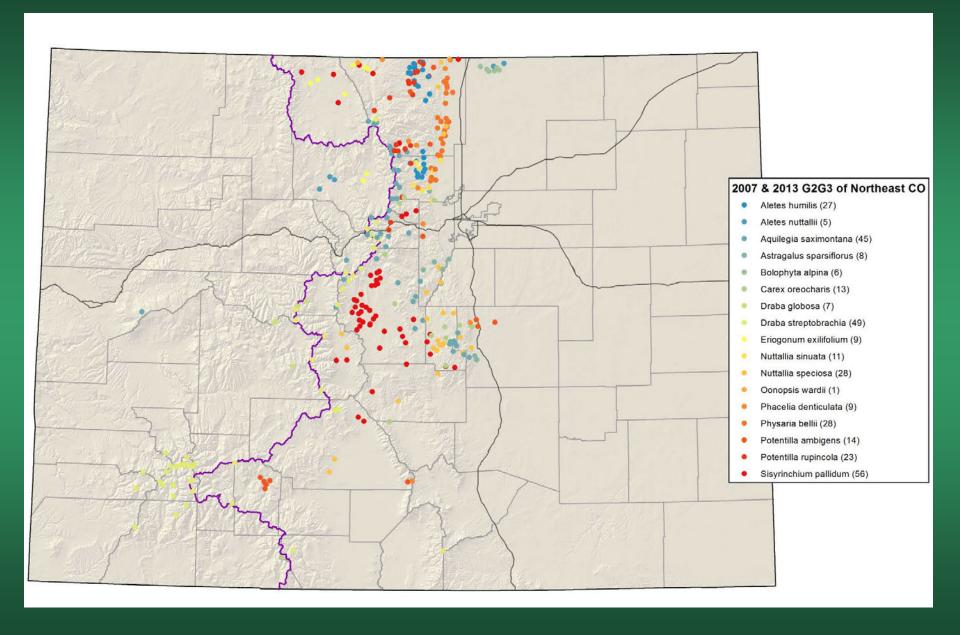
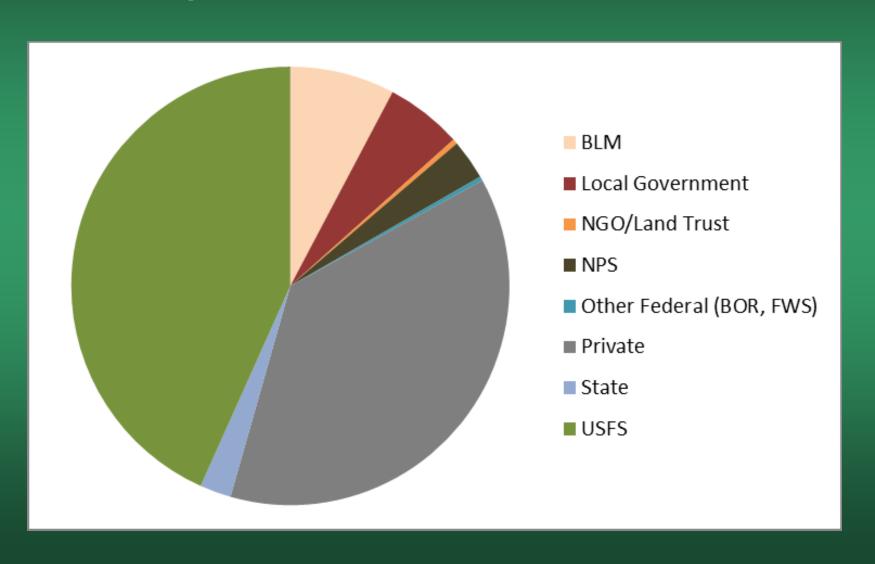
## 2007/2013

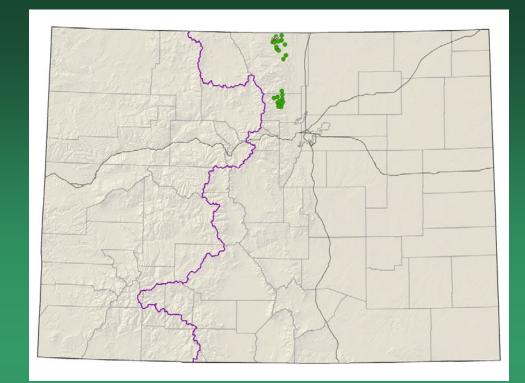
## NE Colorado G2G3 Species



# Land Ownership of G2G3 Plant Species of NE Colorado



## Aletes humilis Larimer aletes

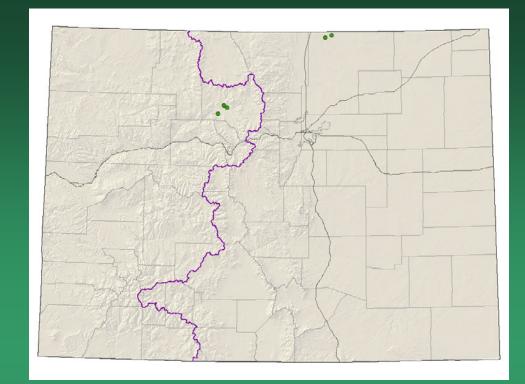


- Federal status: None
- Heritage ranks: G2G3/S2S3
- <u>Global distribution:</u> Colorado (Larimer and Boulder counties). Possibly extending into southern Wyoming.
- Elevation range: 6,150-8,830 ft.
- Last observed in Colorado: 2013
- Colorado occurrences: 27 (2 are historical)
- Colorado individuals: 15,000+
- Primary threats: Recreational uses are the primary threat.
- <u>Land ownership/management</u>: CDOW, local government, NGO/land trust, private, USFS



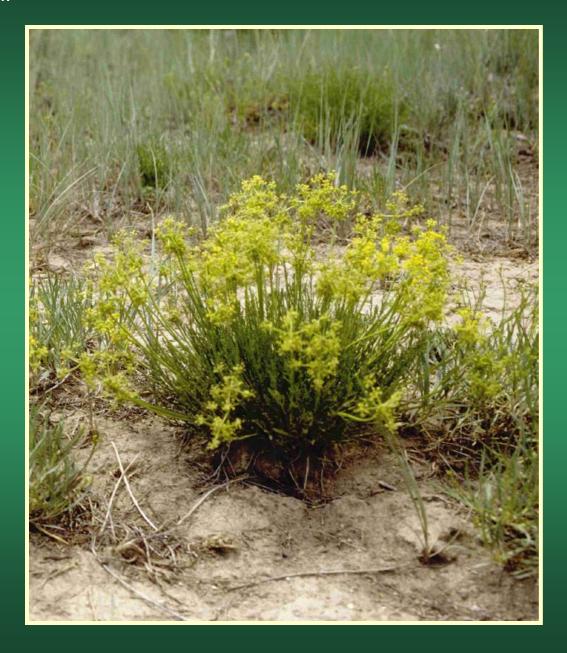
## Aletes nuttallii = Lomatium nutallii

Nuttall's desert-parsley

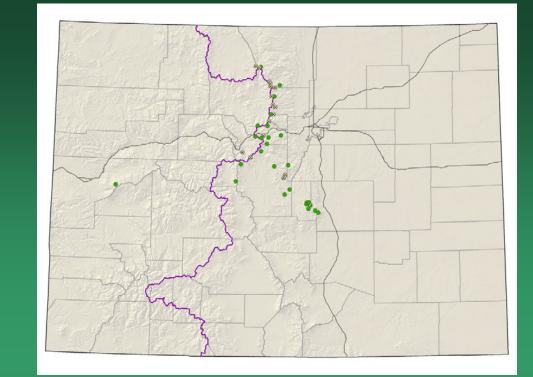


- Federal status: None
- Heritage ranks: G3/S1
- <u>Global distribution</u>: Montana, Wyoming, Nebraska, South Dakota (historical), Colorado (Grand and Weld counties).
- <u>Elevation range</u>: 5,590-7,800 ft.
- Last observed in Colorado: 2013
- Colorado occurrences: 5
- Colorado individuals: 6,500
- Primary threats: ORV use, weeds, cattle trampling
- Land ownership/management: BLM, state, private

#### Aletes nuttallii

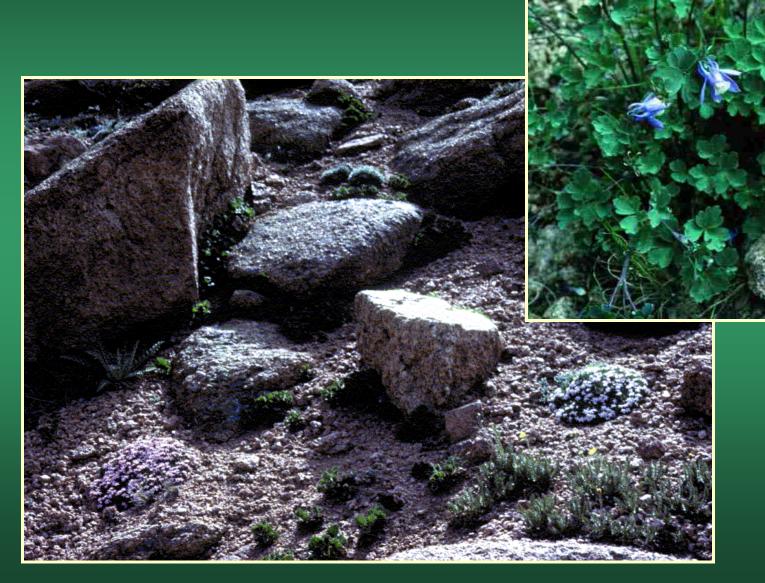


### Aquilegia saximontana Rocky Mountain columbine

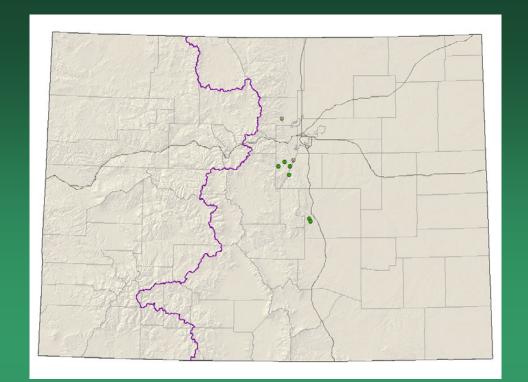


- Federal status: None
- Heritage ranks: G3/S3
- <u>Global distribution</u>: Colorado (Boulder, Clear Creek, El Paso, Gilpin, Jackson, Jefferson, Lake, Larimer, Mesa, Park, Pueblo, San Juan, Summit, and Teller counties).
- <u>Elevation range</u>: 7,620-14,260 ft.
- Last observed in Colorado: 2013
- Colorado occurrences: 50 (22 are historical)
- Colorado individuals: 1,500
- Primary threats: recreational uses, road work pika grazing, rock garden collecting
- <u>Land ownership/management</u>: local government, NGO/land trust, NPS, state, private, USFS

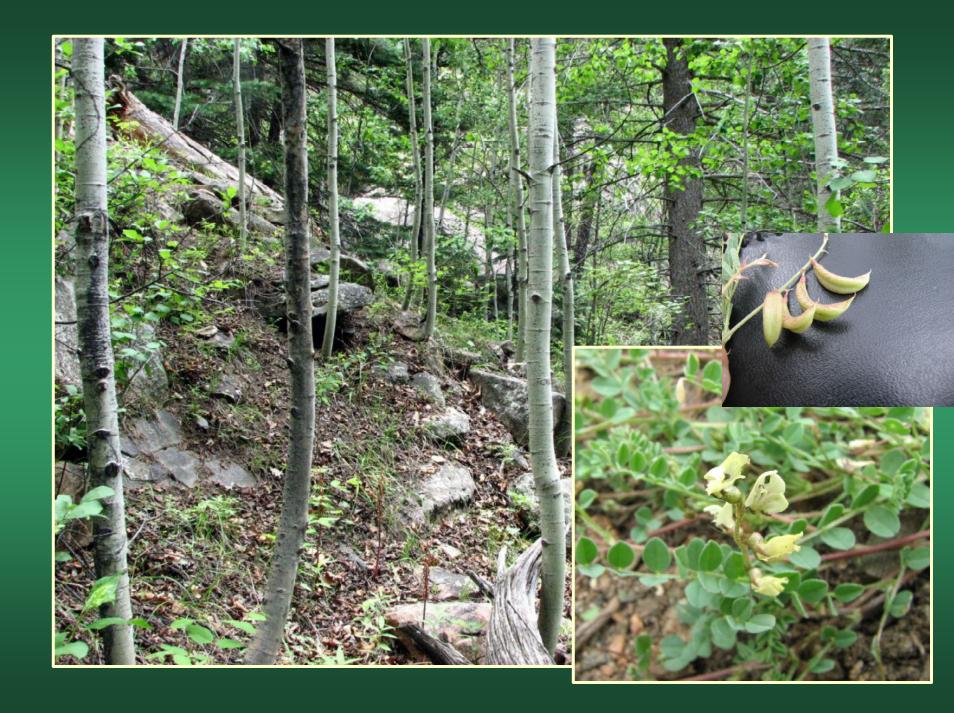
### Aquilegia saximontana



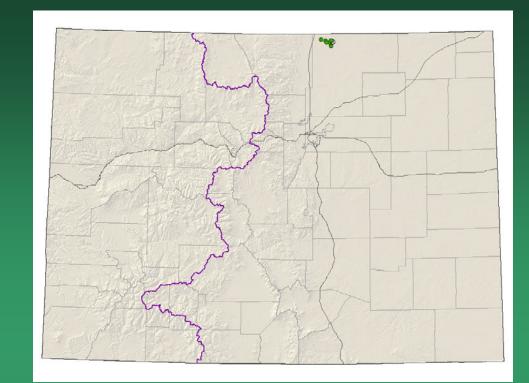
# Astragalus sparsiflorus Front Range milk-vetch



- Federal status: None
- Heritage ranks: G2/S2
- <u>Global distribution</u>: Colorado endemic (Douglas, Denver, El Paso, Park, Fremont, Teller, Boulder, and Jefferson counties).
- <u>Elevation range</u>: 5,510-9,220 ft.
- Last observed in Colorado: 2010
- Colorado occurrences: 13 (2 are historical)
- Colorado individuals: 330+
- Primary threats: recreation
- <u>Land ownership/management</u>: local government, federal, NGO, state, private, USFS



# Bolophyta alpina = | Parthenium alpinum | Alpine fever-few

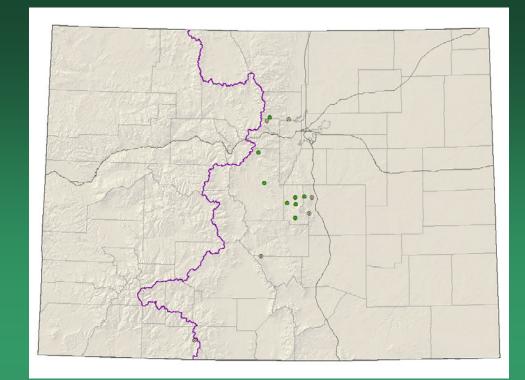


- Federal status: None
- Heritage ranks: G3/S3
- Global distribution: Wyoming, New Mexico, Colorado (Weld County)
- <u>Elevation range</u>: 5,500-5,820 ft.
- <u>Last observed in Colorado</u>: June 2007
- Colorado occurrences: 7 (1 historical)
- Colorado individuals: 100,000+
- Primary threats: Incidental grazing, hay dumping (State), pipelines
- Land ownership/management: private, USFS

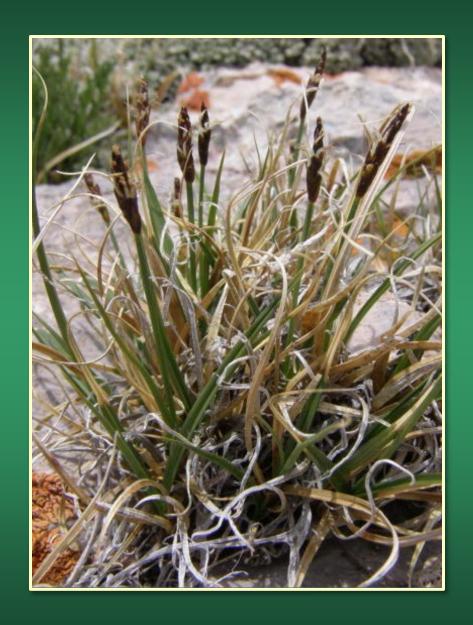
### Bolophyta alpina



# Carex oreocharis Grassy slope sedge

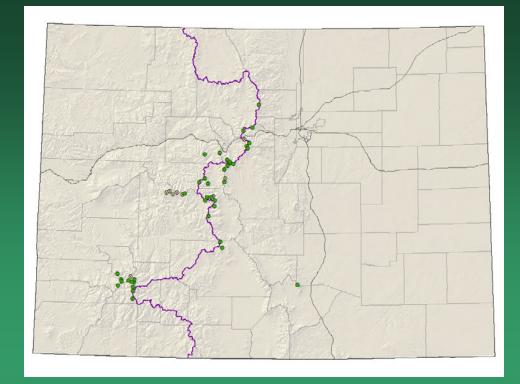


- <u>Federal status</u>: None
- Heritage ranks: G3/S2
- <u>Global distribution</u>: Arizona, New Mexico, Wyoming, Colorado (Boulder, Conejos, Custer, El Paso, Fremont, Gilpin, Park, and Teller counties).
- <u>Elevation range</u>: 5,980-10,540 ft.
- Last observed in Colorado: 2010
- Colorado occurrences: 14 (5 are historical)
- Colorado individuals: several thousand
- Primary threats: weeds, road construction, grazing
- <u>Land ownership/management</u>: BLM, local government, federal, NPS, private, USFS



## Draba crassa Thick-leaf whitlow-grass

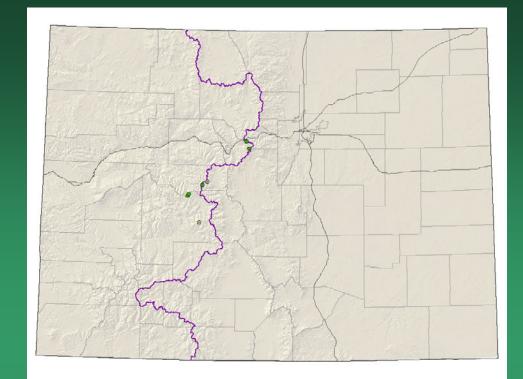
- <u>Federal status</u>: None
- Heritage ranks: G3G4/S3
   Watchlisted
- Global distribution: Montana, Wyoming, Utah, Colorado (Chaffee, Clear Creek, Eagle, Grand, Gunnison, Hinsdale, Huerfano, Lake, Ouray, Park, Pitkin, Pueblo, Saguache, San Juan, San Miguel, and Summit counties).
- <u>Elevation range</u>: 9,870-14,140 ft.
- Last observed in Colorado: 2013
- Colorado occurrences: 48 (9 are historical)
- Colorado individuals: 2,700 +
- <u>Primary threats</u>: recreational uses
- Land ownership/management: private, USFS





## *Draba globosa*Rockcress draba

- <u>Federal status</u>: None
- Heritage ranks: G3/S1
- <u>Global distribution</u>: Idaho, Montana, Utah, Wyoming, Colorado (Clear Creek, Gunnison, Lake, Pitkin, and Summit counties).
- <u>Elevation range</u>: 10,560-13,370 ft.
- Last observed in Colorado: 2013
- Colorado occurrences: 7 (2 are historical)
- Colorado individuals: 150
- Primary threats: recreational use, potential mining
- Land ownership/management: private, USFS

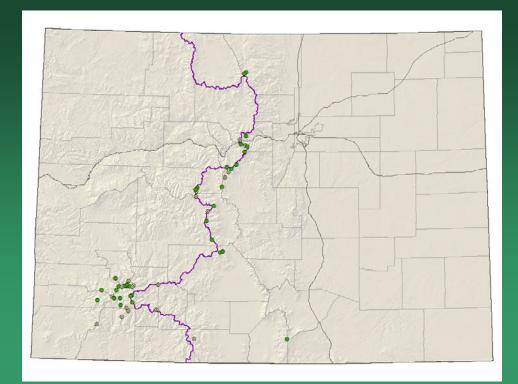


### Draba globosa



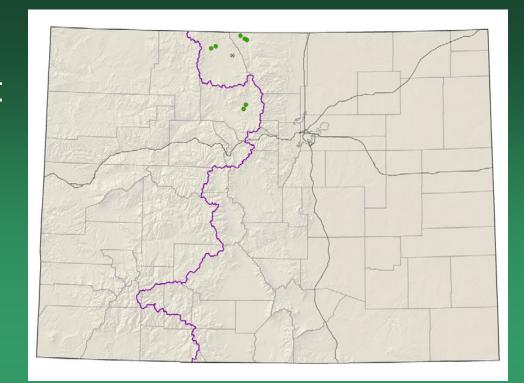
# Draba streptobrachia Colorado Divide whitlow-grass

- Federal status: None
- Heritage ranks: G3/S3
- <u>Global distribution</u>: Colorado endemic (Chaffee, Clear Creek, Conejos, Costilla, Dolores, Gunnison, Hinsdale, Huerfano, La Plata, Lake, Larimer, Mineral, Ouray, Park, Pitkin, Saguache, San Juan, San Miguel, and Summit counties).
- Elevation range: 10,200-14,050 ft.
- Last observed in Colorado: 2013
- Colorado occurrences: 52 (19 are historical)
- Colorado individuals: unknown
- Primary threats: recreation
- Land ownership/management: BLM, state, private, USFS





# Eriogonum exilifolium Dropleaf wild buckwheat

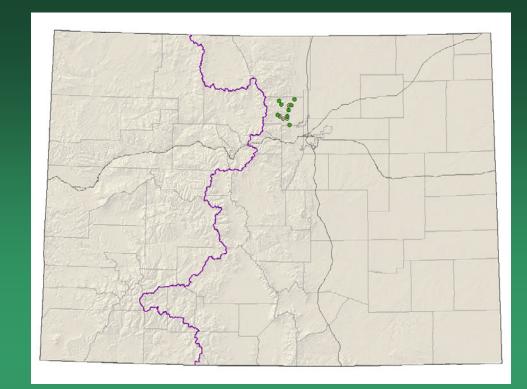


- <u>Federal status</u>: USFS sensitive
- Heritage ranks: G3/S2
- Global distribution: Wyoming, Colorado (Grand, Jackson, and Larimer counties).
- <u>Elevation range</u>: 7,820-8,770 ft.
- Last observed in Colorado: 2013
- Colorado occurrences: 10 (2 are historical)
- Colorado individuals: greater than 1,000,000
- Primary threats: weeds, incompatible grazing, roads
- Land ownership/management: BLM, state, private, USFS

Eriogonum exilifolium



## Nuttallia (Mentzelia) sinuata Wavy-leaf stickleaf

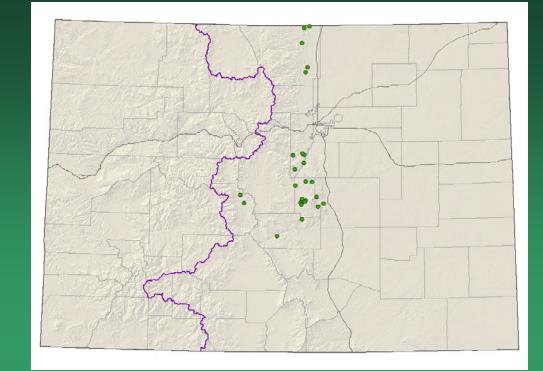


- <u>Federal status</u>: None
- Heritage ranks: G3/S3
- <u>Global distribution</u>: Wyoming and Colorado (Boulder, Clear Creek, El Paso, Larimer, Teller, and Weld counties).
- <u>Elevation range</u>: 5,320-8,600 ft.
- Last observed in Colorado: 2008
- Colorado occurrences: 12 (4 are historical)
- Colorado individuals: hundreds+
- Primary threats: road work, misidentification as weeds
- <u>Land ownership/management</u>: local government, NGO/land trust, federal, private, USFS

#### Nuttallia sinuata



# Nuttallia (Mentzelia) speciosa Jeweled blazingstar

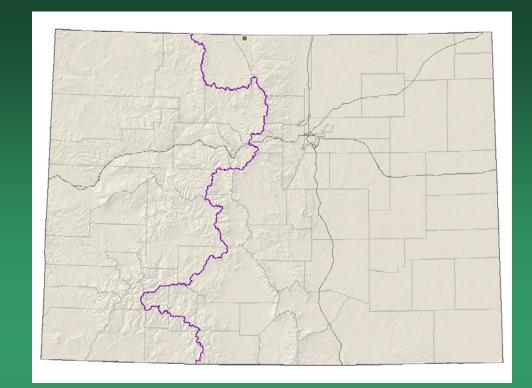


- Federal status: None
- Heritage ranks: G3/S3
- Global distribution: Wyoming and Colorado (Arapahoe, Boulder, Chaffee, Clear Creek, Denver, Douglas, El Paso, Fremont, Gilpin, Jefferson, Larimer, Mineral, Saguache, and Teller counties).
- Elevation range: 5,390-10,850 ft.
- Last observed in Colorado: 2013
- Colorado occurrences: 26
- Colorado individuals: ~10,000
- Primary threats: road work, recreation, weeds
- <u>Land ownership/management</u>: BLM, local government, NGO/land trust, state, private, USFS

### Nuttallia speciosa

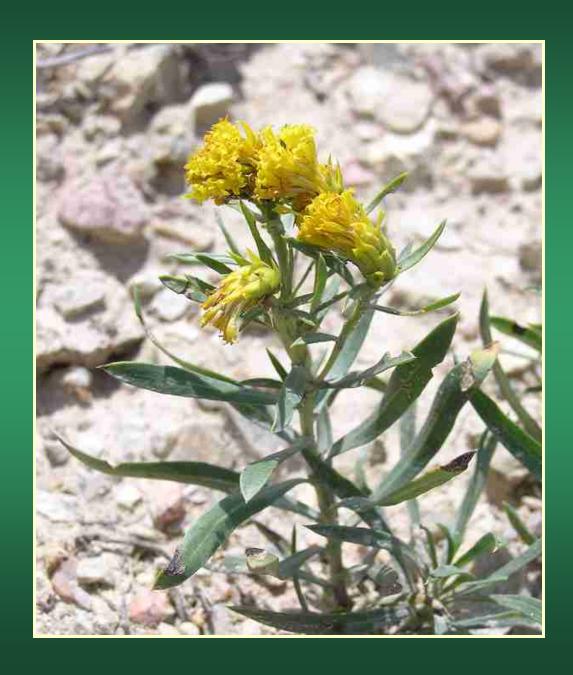


## Oonopsis wardii Ward's golden-weed

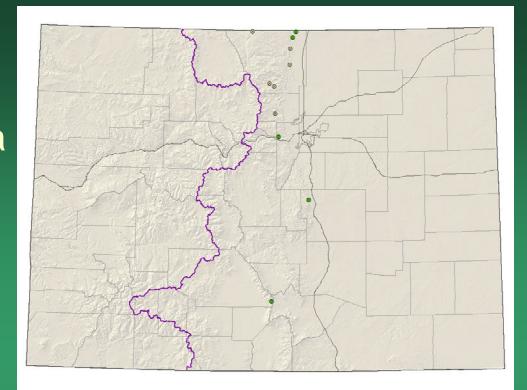


- Federal status: None
- Heritage ranks: G3/S1
- Global distribution: Wyoming and Colorado (Larimer County).
- <u>Elevation range</u>: 7,830-7,850 ft.
- <u>Last observed in Colorado</u>: August 2004
- Colorado occurrences: 1
- Colorado individuals: 300+
- Primary threats: incompatible grazing
- Land ownership/management: BLM, private

### Oönopsis wardii



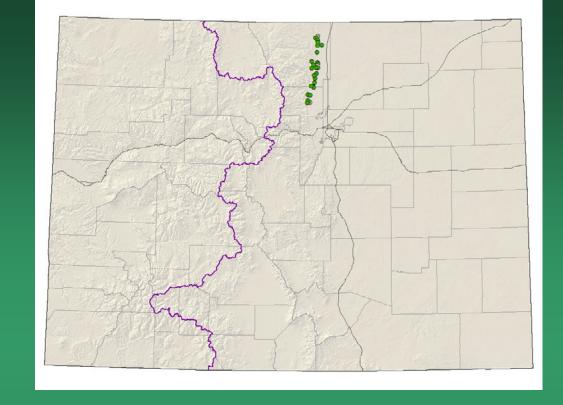
# Phacelia denticulata Rocky Mountain phacelia



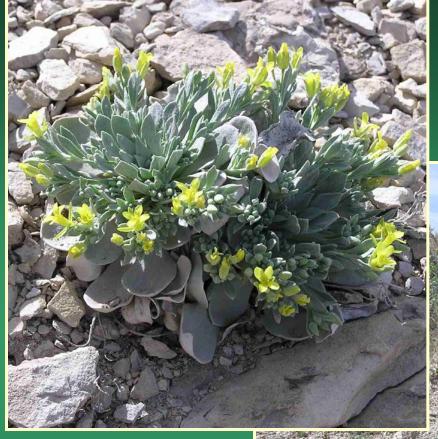
- <u>Federal status</u>: None
- Heritage ranks: G3/SU
- <u>Global distribution</u>: Wyoming, New Mexico, Colorado (Boulder, Clear Creek, Costilla, Douglas, El Paso, Jefferson, Larimer, Las Animas, Park, and Saguache counties).
- <u>Elevation range</u>: 7,470-8,720 ft.
- Last observed in Colorado: 2012
- Colorado occurrences: 11 (6 are historical)
- Colorado individuals: unknown
- Primary threats: unknown
- Land ownership/management: BLM, local government, federal, NPS, private, USFS



### Physaria bellii Bell's twinpod

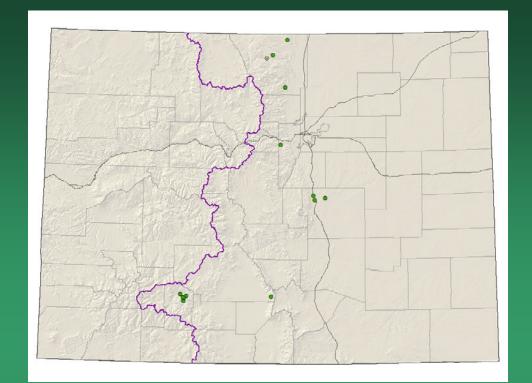


- <u>Federal status</u>: None
- Heritage ranks: G2G3/S2S3
- <u>Global distribution</u>: Colorado endemic (Boulder and Larimer counties). Jefferson and El Paso County records annotated to a different species.
- <u>Elevation range</u>: 5,090-6,550 ft.
- Last observed in Colorado: 2014
- Colorado occurrences: 28 (3 are historical)
- Colorado individuals: Approximately 1 million
- Primary threats: Residential development, limestone mining, road work, weeds
- Land ownership/management: local government, state, private





# Potentilla ambigens Southern Rocky Mountain cinquefoil

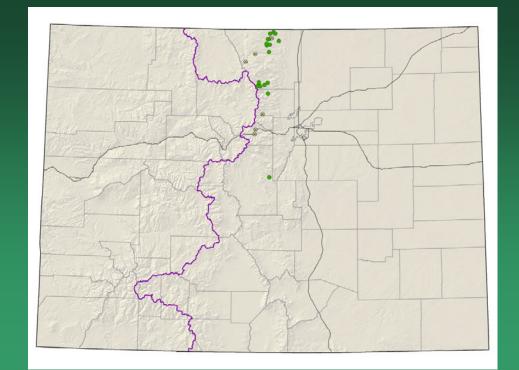


- Federal status: None
- Heritage ranks: G3/S2
- <u>Global distribution</u>: New Mexico, Wyoming (historical), and Colorado (El Paso, Jefferson, Larimer, Mineral, and Saguache counties).
- <u>Elevation range</u>: 6,610-9,060 ft.
- Last observed in Colorado: 2013
- Colorado occurrences: 15 (2 are historical)
- Colorado individuals: 5,000
- Primary threats: recreation, grazing, weeds
- <u>Land ownership/management</u>: local government, federal, NPS, state, private, USFS

### Potentilla ambigens

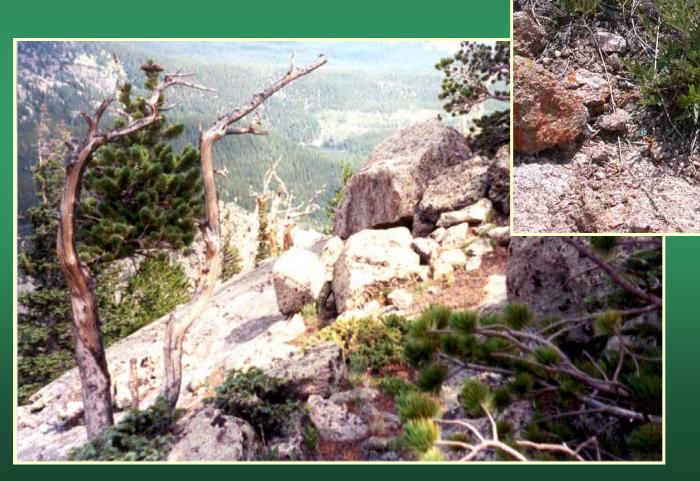


## Potentilla rupincola Rocky Mountain cinquefoil

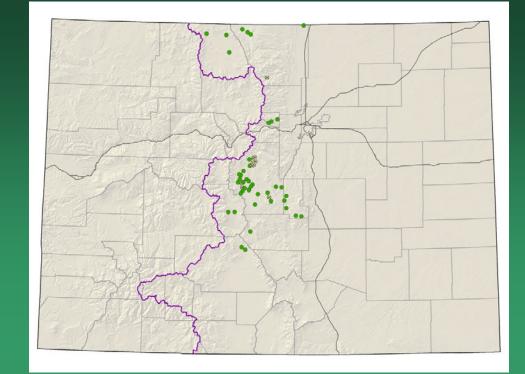


- Federal status: USFS Sensitive
- Heritage ranks: G2/S2
- <u>Global distribution</u>: Colorado endemic. Boulder, Clear Creek, Larimer, and Park counties. Historically from Gilpin county.
- <u>Elevation range</u>: 6,240-10,930 ft.
- Last observed in Colorado: 2013
- Colorado occurrences: 25 (8 are historical)
- Colorado individuals: 36,000+
- Primary threats: weeds, residential and commercial development, road work, recreation.
- <u>Land ownership/management</u>: local government, NGO/land trust, NPS, state, private, USFS

## Potentilla rupincola



## Sisyrinchium pallidum Pale blue-eyed grass



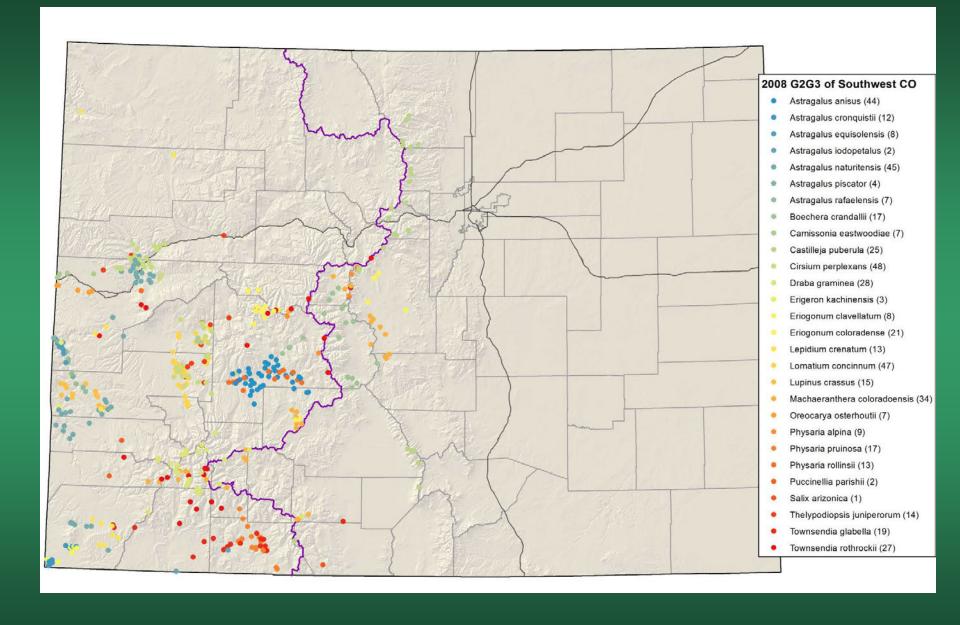
- Federal status: BLM Sensitive
- Heritage ranks: G3/S2
- Global distribution: Wyoming and Colorado (Chaffee, El Paso, Fremont, Gilpin, Jackson, Larimer, Park, Saguache, and Teller counties).
- <u>Elevation range</u>: 6,320-9,710 ft.
- Last observed in Colorado: 2013
- Colorado occurrences: 52 (10 are historical)
- Colorado individuals: 11,000
- <u>Primary threats</u>: road work, residential development, grazing, peat mining, and recreational activities.
- <u>Land ownership/management</u>: BLM, local government, NGO/land trust, NPS, state, private, USFS

Sisyrinchium pallidum

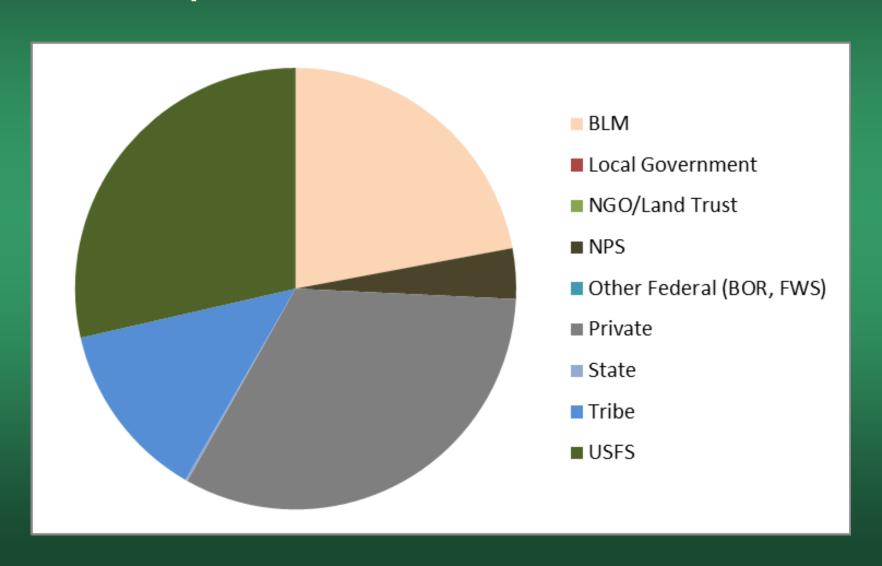


## 2008

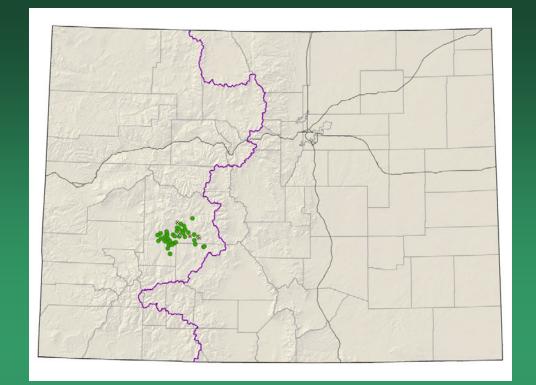
## SW Colorado G2G3 species



# Land Ownership of G2G3 Plant Species of SW Colorado



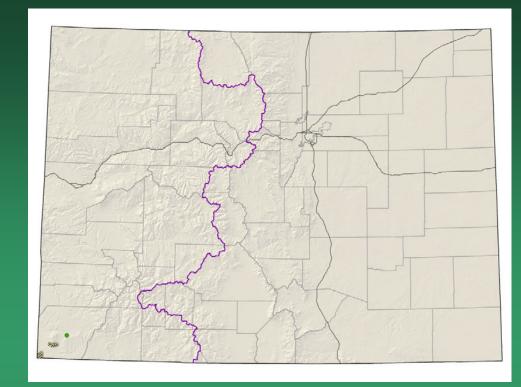
# Astragalus anisus Gunnison milkvetch



- <u>Federal status</u>: BLM sensitive
- Heritage ranks: G2G3/S2S3
- Global distribution: endemic to Colorado (Gunnison & Saguache counties)
- <u>Elevation range</u>: 7,520-9,740 ft.
- Last observed in Colorado: 2010
- Colorado occurrences: 41 (4 are historical)
- Colorado individuals: 5000-10,000?
- <u>Primary threats</u>: road building, off-road vehicle use, non-motorized recreation, non-native species invasion, grazing, residential development, fire suppression, resource extraction, and global climate change.
- Land ownership/management: BLM, NPS, federal, state, private, USFS



## Astragalus cronquistii Cronquist's milkvetch



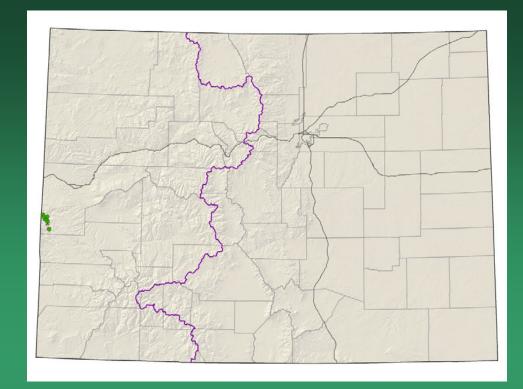
- Federal status: none
- Heritage ranks: G2/S2
- Global distribution: Utah and Colorado (Montezuma County)
- <u>Elevation range</u>: 4,700-6,320 ft.
- <u>Last observed in Colorado</u>: 1993
- Colorado occurrences: 13 (12 are historical)
- Colorado individuals: ~1500
- Primary threats: roads, unknown
- Land ownership/management: tribe



Astragalus cronquistii

## Astragalus equisolensis (= A. desperatus var. neeseae) horseshoe milkvetch

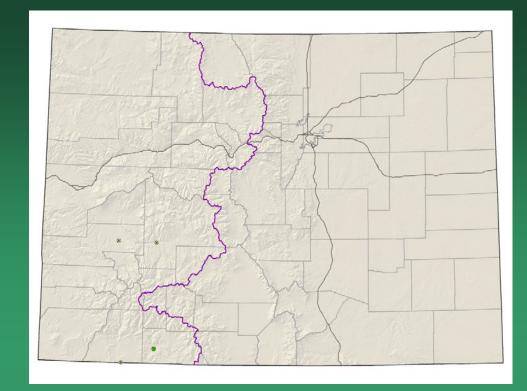
**Conservation Action Plan** 



- <u>Federal status</u>: BLM sensitive
- Heritage ranks: G5T1/S1
- Global distribution: Utah and Colorado (Mesa County)
- <u>Elevation range</u>: 4,500-6,030 ft.
- <u>Last observed in Colorado</u>: 2012
- Colorado occurrences: 8 (2 are historical)
- Colorado individuals: 2670
- Primary threats: unknown
- Land ownership/management: BLM, private



# Astragalus iodopetalus violet milkvetch

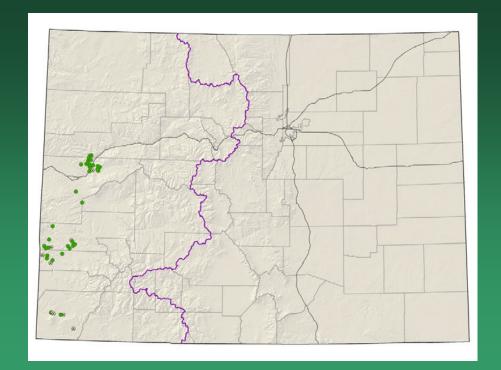


- Federal status: USFS sensitive
- Heritage ranks: G2/S1
- Global distribution: New Mexico (historical) and Colorado (Archuleta, Gunnison, La Plata and Montrose counties).
- <u>Elevation range</u>: 6,500-7,260 ft.
- Last observed in Colorado: 2012
- Colorado occurrences: 4 (3 are historical)
- Colorado individuals: unknown
- Primary threats: unknown
- Land ownership/management: tribe, USFS

## Astragalus iodopetalus

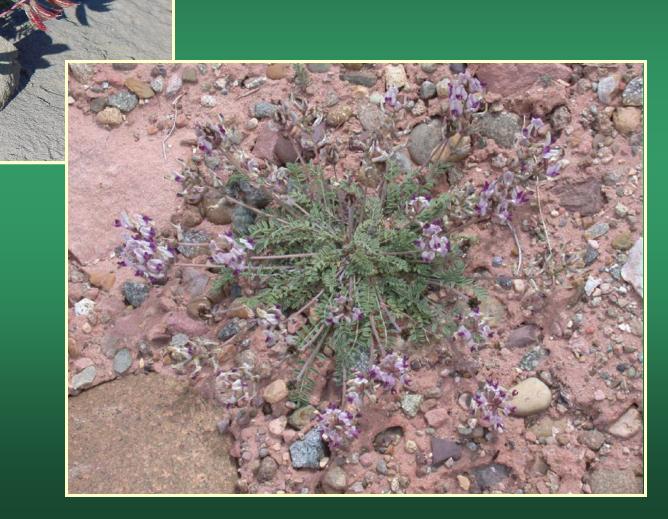


# Astragalus naturitensis Naturita milkvetch



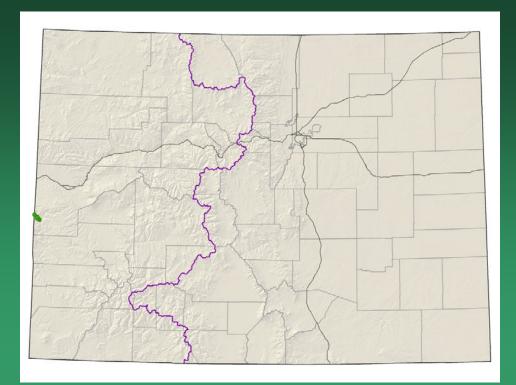
- Federal status: BLM sensitive
- Heritage ranks: G2G3/S2S3
- <u>Global distribution</u>: New Mexico, Utah, the Navajo Nation and Colorado (Garfield, Mesa, Montezuma, Montrose and San Miguel counties)
- Elevation range: 4,830-7,030 ft.
- Last observed in Colorado: 2014
- Colorado occurrences: 47 (11 are historical)
- Colorado individuals: 650 in 2011, + prev. ~ 6500 estimate
- Primary threats: Recreation, Oil and Gas development, Uranium claims
- Land ownership/management: BLM, private, tribe, USFS





# Astragalus piscator Fisher Towers milkvetch

### **Conservation Action Plan**

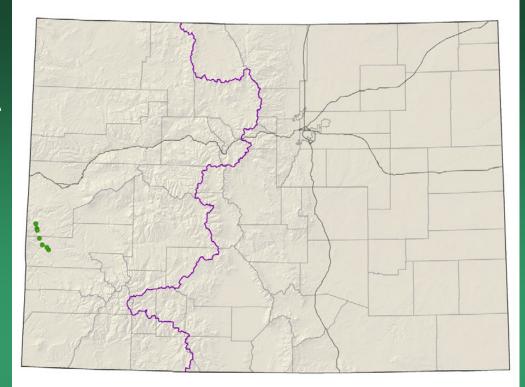


- Federal status: BLM sensitive
- Heritage ranks: G2G3/S1
- Global distribution: Utah and Colorado (Mesa County)
- <u>Elevation range</u>: 4,500-5,580 ft.
- <u>Last observed in Colorado</u>: 2012
- Colorado occurrences: 4
- Colorado individuals: 3000-5000
- Primary threats: recreation, roads
- Land ownership/management: BLM, private

## Astragalus piscator



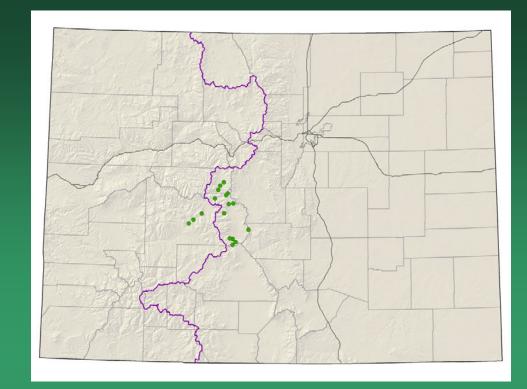
# Astragalus rafaelensis San Rafael milkvetch



- Federal status: BLM sensitive
- Heritage ranks: G2G3/S1
- Global distribution: Utah and Colorado (Montrose and Mesa counties)
- <u>Elevation range</u>: 4,720-6,800 ft.
- Last observed in Colorado: 2008
- Colorado occurrences: 7
- Colorado individuals: >1000
- Primary threats: unknown
- Land ownership/management: BLM, private

# Astragalus rafaelensis

## Boechera crandallii = Arabis crandallii Crandall's rockcress

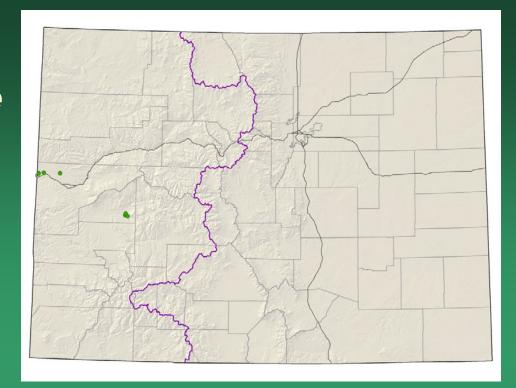


- Federal status: BLM sensitive
- Heritage ranks: G2/S2
- Global distribution: Wyoming and Colorado (Gunnison, Chaffee, and Lake counties)
- <u>Elevation range</u>: 8,175-10,600 ft.
- Last observed in Colorado: 2008
- Colorado occurrences: 17
- Colorado individuals:
- Primary threats: habitat loss/degradation, road construction
- Land ownership/management: BLM, state, private, USFS

## Boechera crandallii



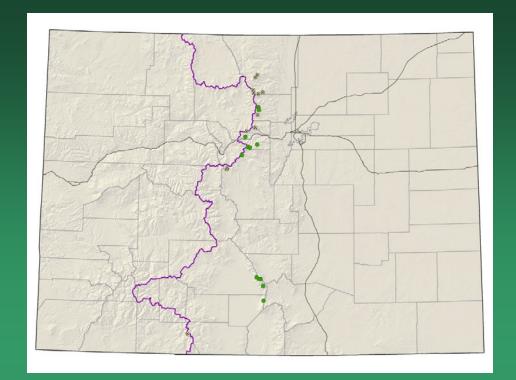
# Camissonia eastwoodiae Eastwood evening primrose



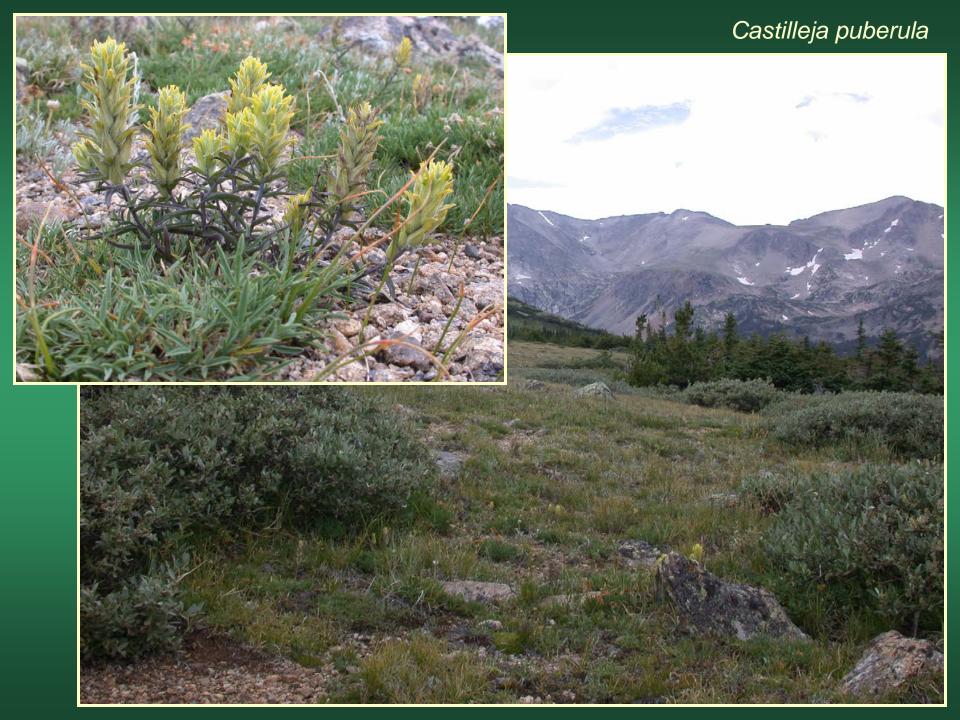
- Federal status: BLM sensitive
- Heritage ranks: G2/S1
- Global distribution: Utah and Colorado (Delta and Mesa counties)
- <u>Elevation range</u>: 4,560-6,050 ft.
- <u>Last observed in Colorado</u>: 2013
- Colorado occurrences: 7 (1 is historical)
- Colorado individuals: several thousand
- Primary threats: unknown
- Land ownership/management: BLM, private



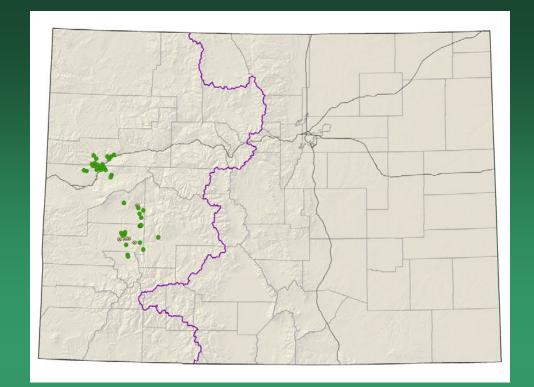
# Castilleja puberula downy indian paintbrush



- Federal status: none
- Heritage ranks: G2G3/S2S3
- Global distribution: Colorado endemic (Alamosa, Boulder, Clear Creek, Grand, Larimer, Park, and Saguache counties)
- <u>Elevation range</u>: 10,725-13,020 ft.
- Last observed in Colorado: 2014
- Colorado occurrences: 25 (12 are historical)
- Colorado individuals: >250
- Primary threats: May be threatened by off-road-vehicle use
- Land ownership/management: NPS, private, USFS



# Cirsium perplexans adobe thistle



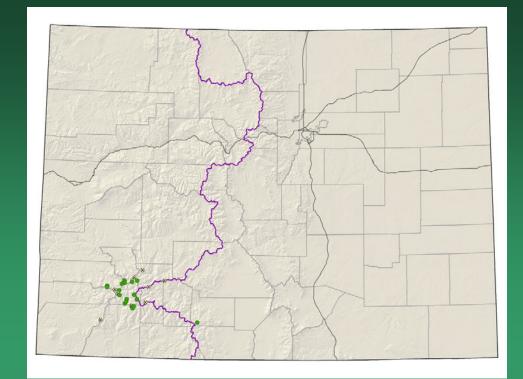
- Federal status: None
- Heritage ranks: G2G3/S2S3
- <u>Global distribution</u>: Colorado endemic ( Delta, Mesa, Montrose, Gunnison, Garfield, and Ouray counties)
- <u>Elevation range</u>: 4,900-8,370 ft.
- Last observed in Colorado: 2011
- Colorado occurrences: 48 (5 are historical)
- Colorado individuals: 10,000+
- Primary threats: Bio or other control for non-native thistles
- <u>Land ownership/management</u>: BLM, local government, NPS, state, private, USFS

## Cirsium perplexans





# Draba graminea San Juan whitlow-grass

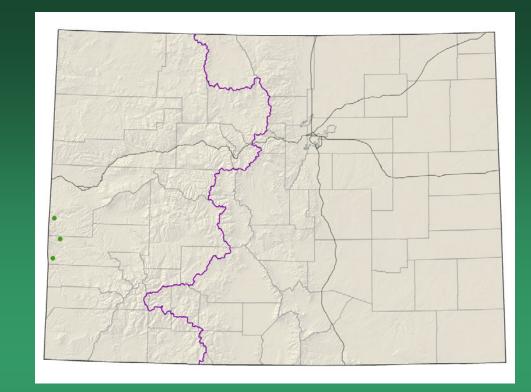


- <u>Federal status</u>: none
- Heritage ranks: G2/S2
- Global distribution: Colorado endemic (Dolores, Hinsdale, La Plata, Montezuma, Ouray, San Juan, and San Miguel counties)
- <u>Elevation range</u>: 9,600-13,680 ft.
- Last observed in Colorado: 2013
- Colorado occurrences: 28 (9 are historical)
- Colorado individuals: >8000
- Primary threats: Non-motorized recreation
- Land ownership/management: BLM, private, USFS

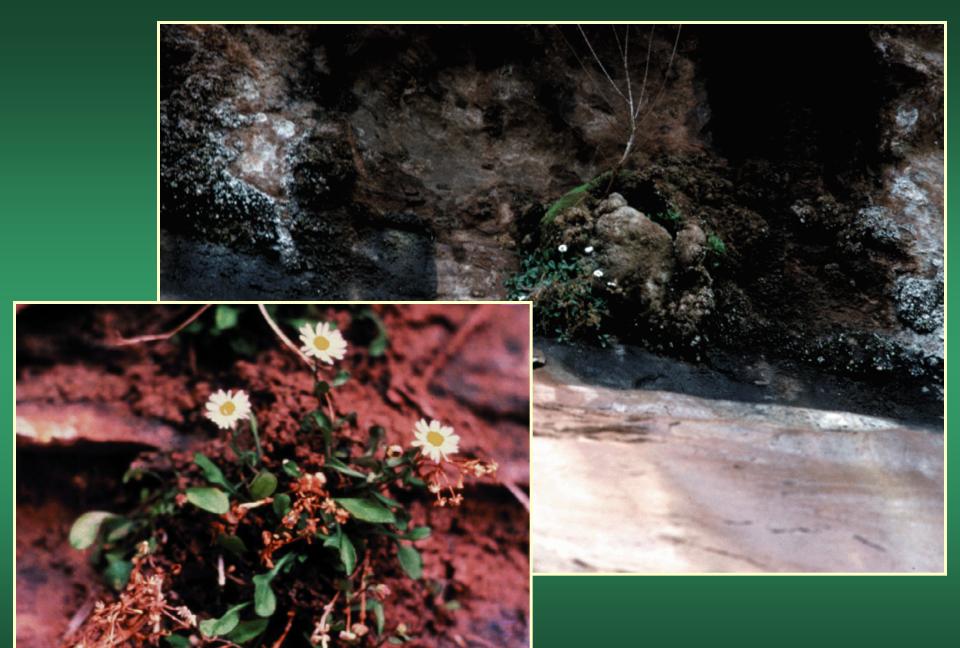
## Draba graminea



# Erigeron kachinensis kachina daisy

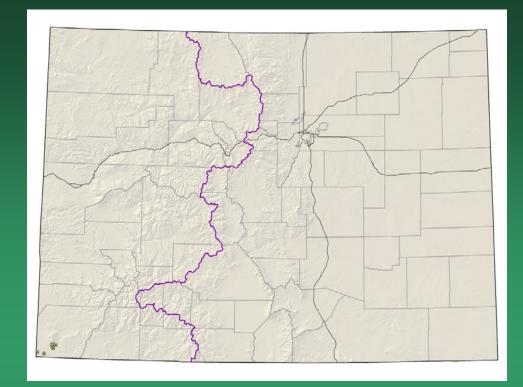


- Federal status: BLM sensitive
- Heritage ranks: G2/S1
- Global distribution: Utah and Colorado (Montrose county)
- <u>Elevation range</u>: 4,700-6,650 ft.
- Last observed in Colorado: 2010
- Colorado occurrences: 3
- Colorado individuals: est. 7,600
- <u>Primary threats</u>: mining, energy development, or water projects could affect water supplies to habitat
- Land ownership/management: BLM



Erigeron kachinensis

# Eriogonum clavellatum Comb Wash buckwheat

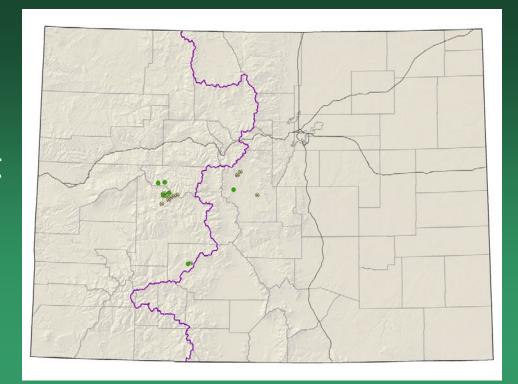


- Federal status: BLM sensitive
- Heritage ranks: G2/S1
- Global distribution: Utah and Colorado (Montezuma County)
- <u>Elevation range</u>: 4,800-6,030 ft.
- Last observed in Colorado: 1990
- Colorado occurrences: 8 (all are historical)
- Colorado individuals: unknown
- Primary threats: road construction, exploration for oil and gas, and a proposed system of irrigation canals on the Reservation
- Land ownership/management: tribe

## Eriogonum clavellatum



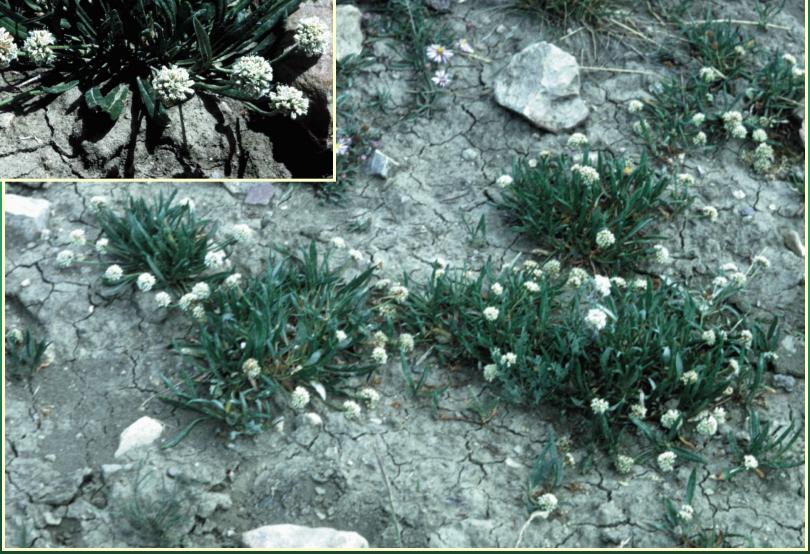
## Eriogonum coloradense Colorado wild buckwheat



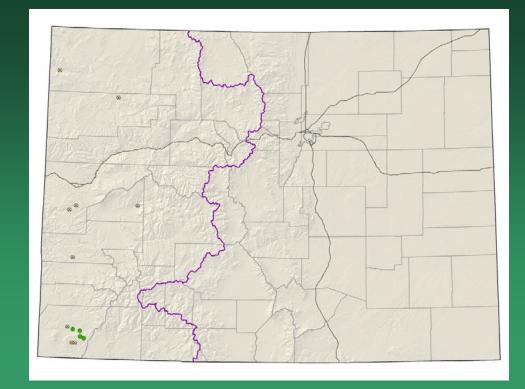
- <u>Federal status</u>: BLM sensitive
- Heritage ranks: G2/S2
- <u>Global distribution</u>: Colorado endemic (Gunnison, Park, Pitkin, and Saguache counties)
- <u>Elevation range</u>: 8,700-14,260 ft.
- Last observed in Colorado: 2013
- Colorado occurrences: 22 (13 are historical)
- Colorado individuals: ~5000
- Primary threats: recreation
- Land ownership/management: BLM, local government, state, private, USFS



## Eriogonum coloradense



# Lepidium crenatum alkaline pepperwort



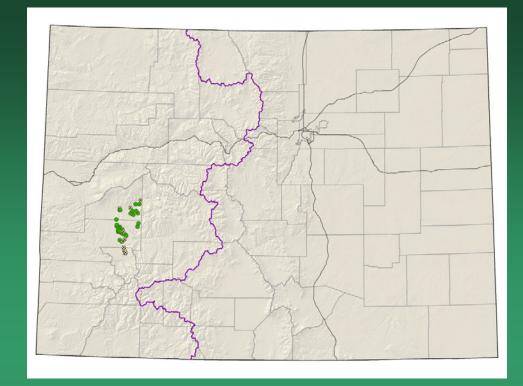
- <u>Federal status</u>: none
- Heritage ranks: G2/S2
- <u>Global distribution</u>: documented from Moffat, Rio Blanco, Mesa, Delta, Montrose and Montezuma counties in Colorado, may be present in Utah and New Mexico.
- <u>Elevation range</u>: 6,060-8,130 ft.
- Last observed in Colorado: 2012
- Colorado occurrences: 16 (12 are historical)
- Colorado individuals: thousands
- Primary threats: unknown
- Land ownership/management: BLM, NPS, private

#### Lepidium crenatum

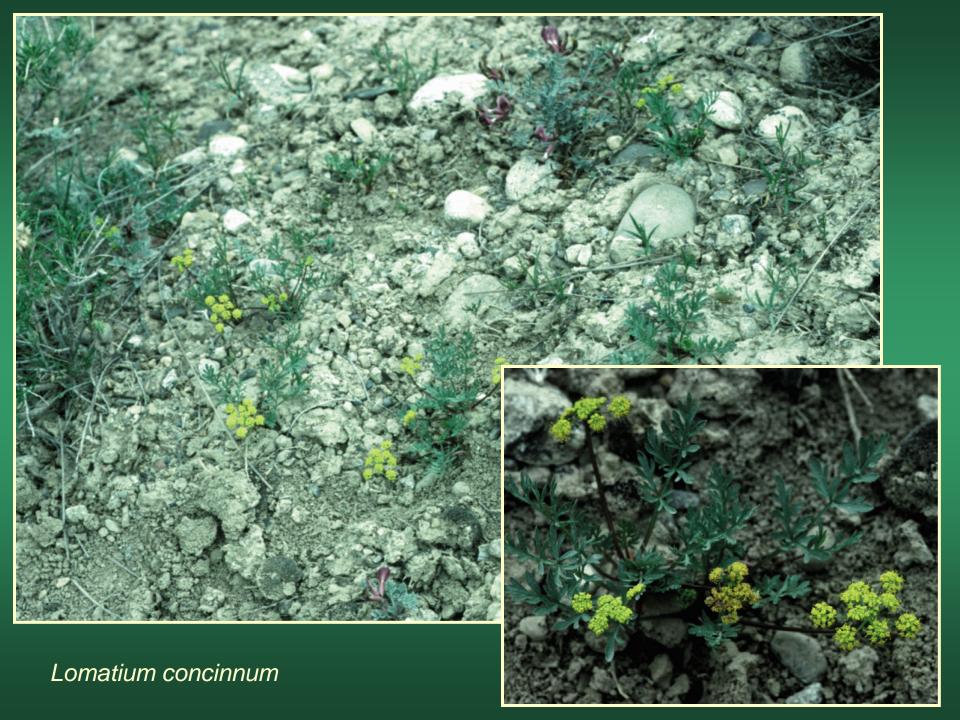




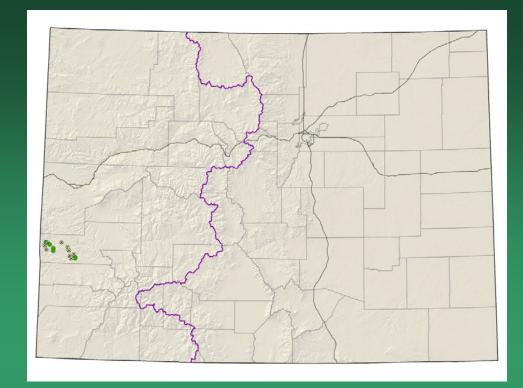
## Lomatium concinnum Colorado desert-parsley



- Federal status: BLM sensitive
- Heritage ranks: G2G3/S2S3
- Global distribution: Colorado endemic (Delta, Montrose, and Ouray counties)
- <u>Elevation range</u>: 5,160-8,800 ft.
- Last observed in Colorado: 2008
- Colorado occurrences: 41 (13 are historical)
- Colorado individuals: >70,000
- Primary threats: Motorized recreation
- Land ownership/management: BLM, state, private, USFS



# Lupinus crassus Payson lupine

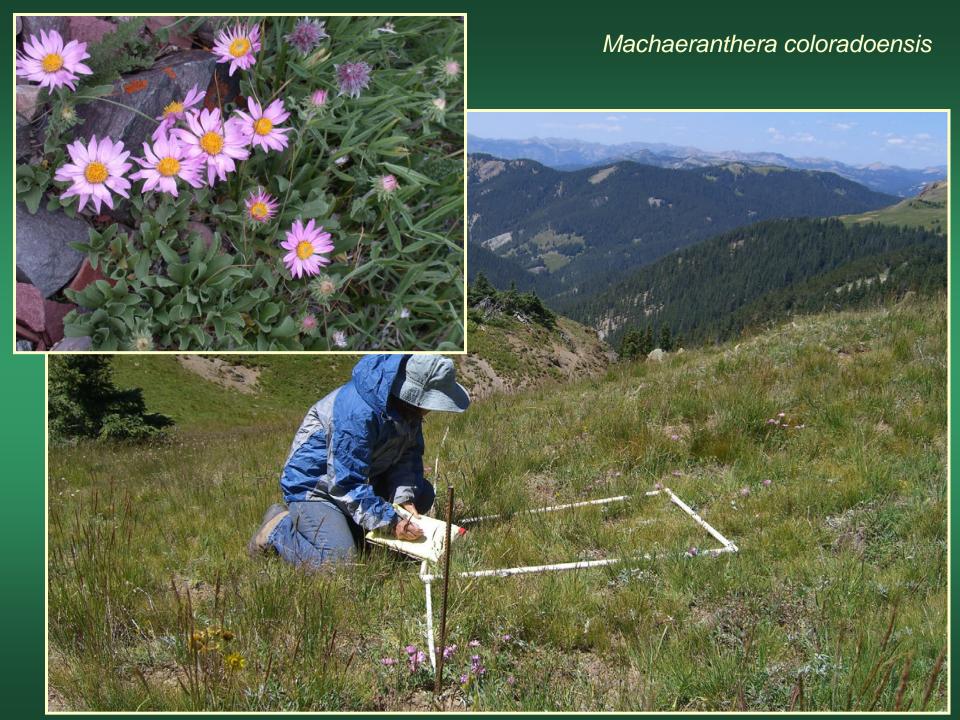


- Federal status: BLM sensitive
- Heritage ranks: G2/S2
- Global distribution: Colorado endemic (Montrose county)
- <u>Elevation range</u>: 5,070-6,260 ft.
- Last observed in Colorado: 2013
- Colorado occurrences: 18 (12 are historical)
- Colorado individuals: >100,000
- Primary threats: Incompatible grazing
- Land ownership/management: BLM, private



# Machaeranthera coloradoensis Colorado tansy-aster

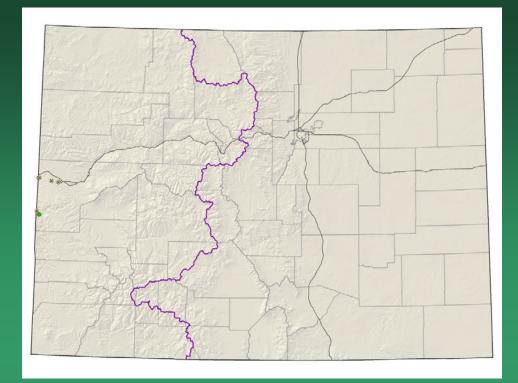
- Federal status: USFS sensitive
  Heritage ranks: G3/S3
- Global distribution: Wyoming and Colorado (Chaffee, Dolores, Fremont, Gunnison, Hinsdale, La Plata, Lake, Park, Pitkin, Rio Grande, Saguache, San Juan counties)
- <u>Elevation range</u>: 9,000-13,430 ft.
- Last observed in Colorado: 2013
- Colorado occurrences: 35 (5 are historical)
- Colorado individuals: unknown
- Primary threats: unknown
- Land ownership/management: BLM, state, private, USFS



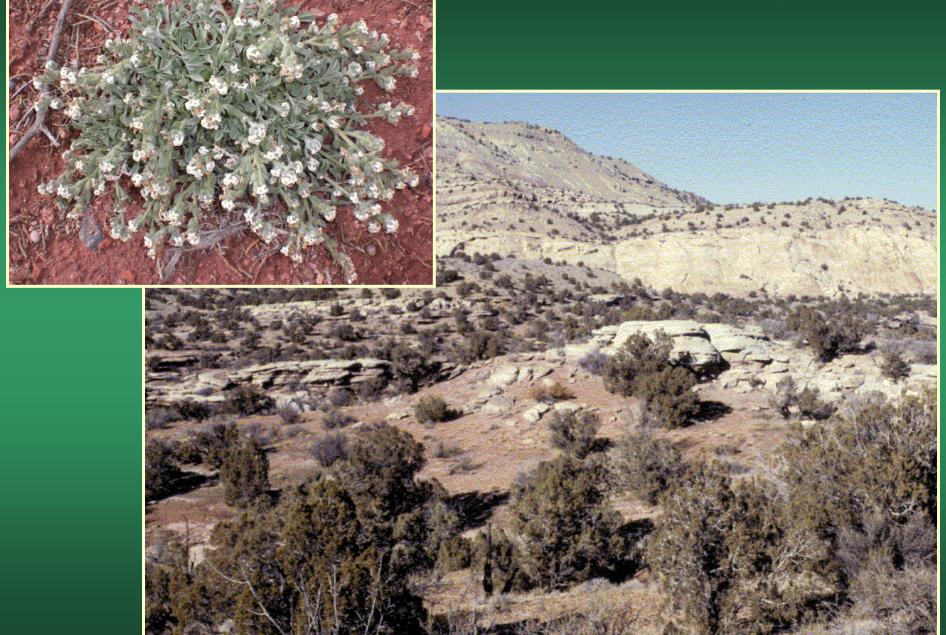
## Oreocarya osterhoutii= Cryptantha osterhoutii Osterhout cat's-eye

#### Conservation Action Plan

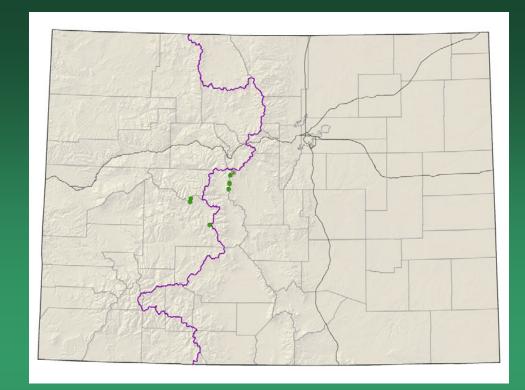
- Federal status: BLM sensitive
- Heritage ranks: G2G3/S2
- Global distribution: Utah and Colorado (Mesa County)
- <u>Elevation range</u>: 4,440-6,500 ft.
- Last observed in Colorado: 2011
- Colorado occurrences: 7 (6 are historical)
- Colorado individuals: ~1500?
- Primary threats: unknown
- Land ownership/management: BLM, NPS, private



#### Oreocarya osterhoutii



# Physaria alpina Avery Peak twinpod

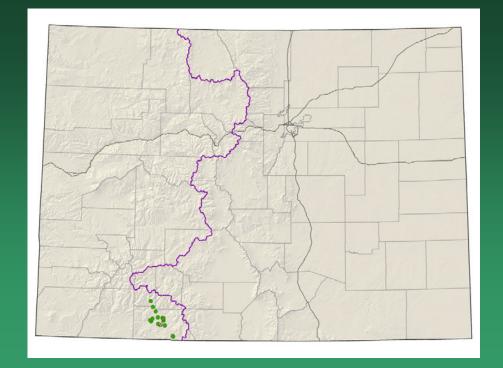


- Federal status: none
- Heritage ranks: G2/S2
- Global distribution: Colorado endemic (Lake, Gunnison, Pitkin and Park counties)
- Elevation range: 11,450-14,100 ft.
- Last observed in Colorado: 2013
- Colorado occurrences: 9 (3 are historical)
- Colorado individuals: >4000
- Primary threats: off-road vehicle use
- Land ownership/management: BLM, private, USFS

#### Physaria alpina



## Physaria pruinosa= Lesquerella pruinosa Pagosa bladderpod

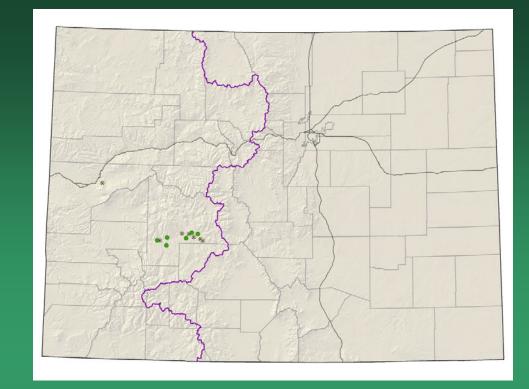


- Federal status: USFS and BLM sensitive
- Heritage ranks: G2/S2
- <u>Global distribution</u>: New Mexico and Colorado (Archuleta County, and the extreme southern portion of Hinsdale County)
- <u>Elevation range</u>: 6,820-8,500 ft.
- Last observed in Colorado: 2009
- Colorado occurrences: 17 (2 are historical)
- Colorado individuals: 5,000 to 20,000
- Primary threats: Residential and commercial development
- Land ownership/management: private, tribe, USFS

#### Physaria pruinosa



### Physaria rollinsii Rollins' twinpod

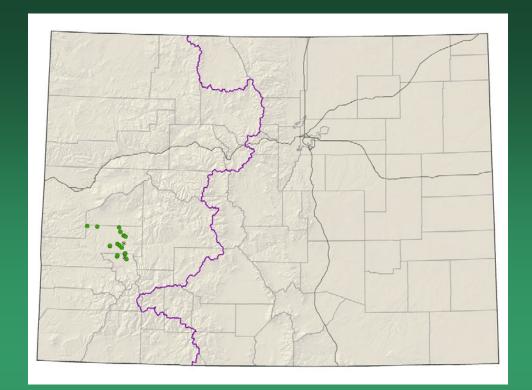


- Federal status: none
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic (Mesa and Gunnison counties)
- <u>Elevation range</u>: 6,620-9,100 ft.
- Last observed in Colorado: 2011
- Colorado occurrences: 13 (7 are historical)
- Colorado individuals: unknown
- Primary threats: unknown
- Land ownership/management: BLM, NPS, federal, state, private

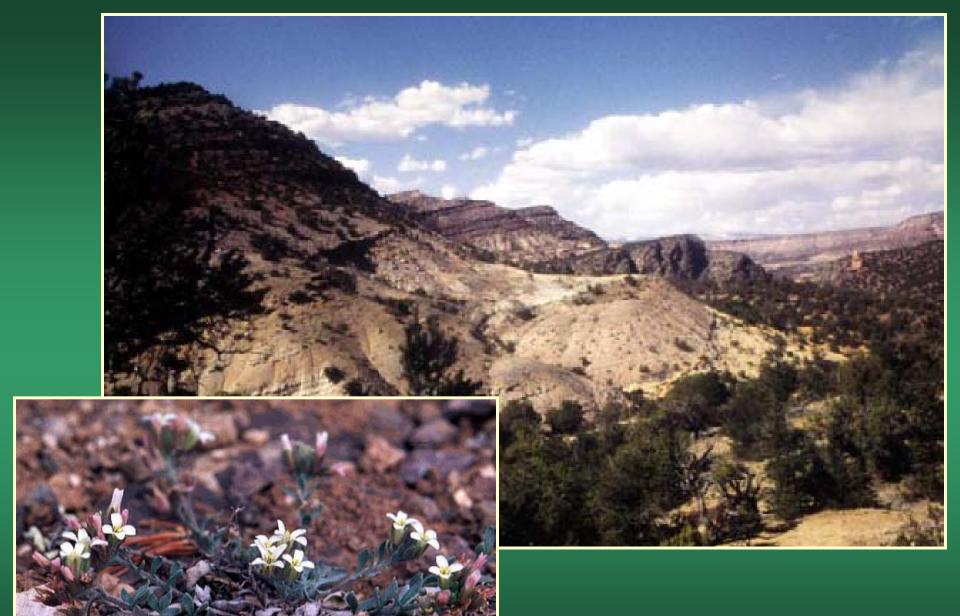
#### Physaria rollinsii



## Physaria vicina= Lesquerella vicina Montrose bladderpod



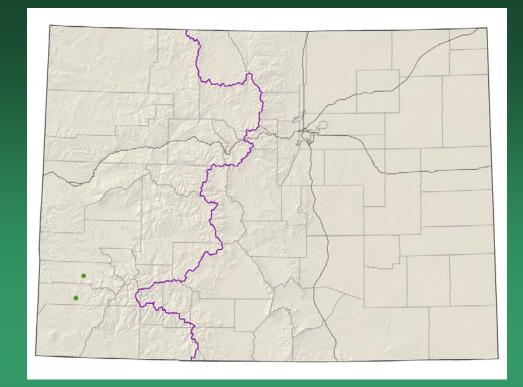
- Federal status: BLM sensitive
- Heritage ranks: G2/S2
- Global distribution: Colorado endemic (Montrose and Ouray counties)
- <u>Elevation range</u>: 5,700-7,540 ft.
- Last observed in Colorado: 2008
- Colorado occurrences: 22 (2 are historical)
- Colorado individuals: >9,000
- Primary threats: Roads and recreational uses
- Land ownership/management: BLM, NPS, state, private



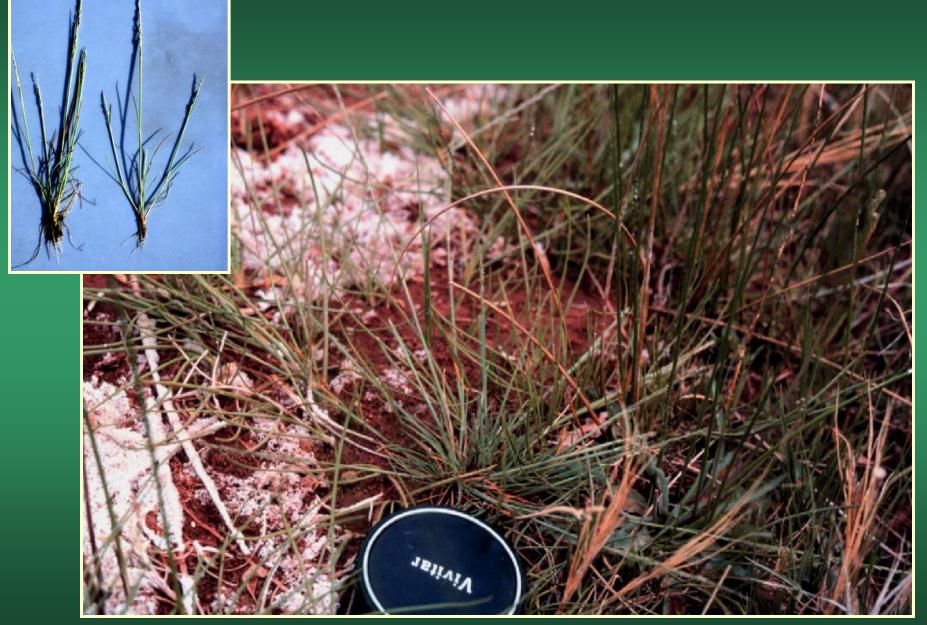
Physaria vicina

## Puccinellia parishii Parish's alkali grass

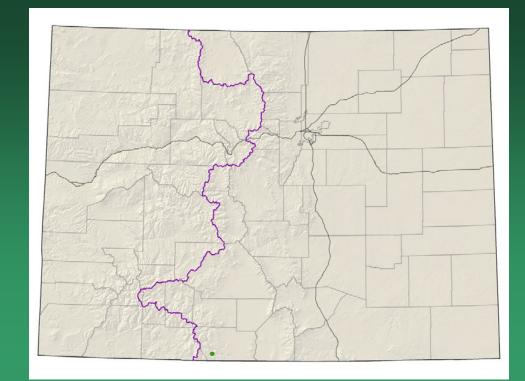
**Conservation Action Plan** 



- <u>Federal status</u>: none
- Heritage ranks: G2G3/S1
- Global distribution: New Mexico, Arizona, California, and Colorado (San Miguel County)
- <u>Elevation range</u>: 7,620-7,950 ft.
- Last observed in Colorado: 2009
- Colorado occurrences: 2
- Colorado individuals: 20,000-35,000
- Primary threats: altered hydrology
- Land ownership/management: BLM, state, private



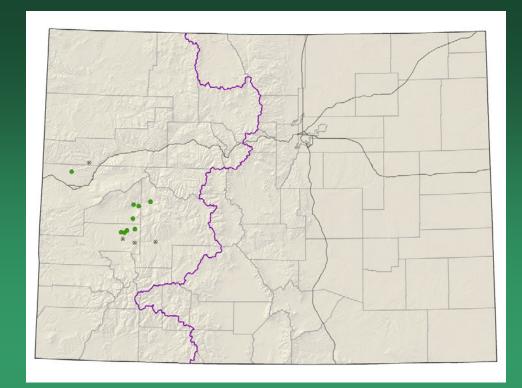
### Salix arizonica Arizona willow



- <u>Federal status</u>: USFS sensitive
- Heritage ranks: G2G3/S1
- Global distribution: Arizona, New Mexico, Utah, and Colorado (Conejos Co.)
- Elevation range: 10,300-10,320 ft.
- Last observed in Colorado: 2014
- Colorado occurrences: 1
- Colorado individuals: unknown 21 dense clumps
- Primary threats: incompatible grazing, hydrologic alteration
- Land ownership/management: USFS



# Thelypodiopsis juniperorum juniper tumble mustard

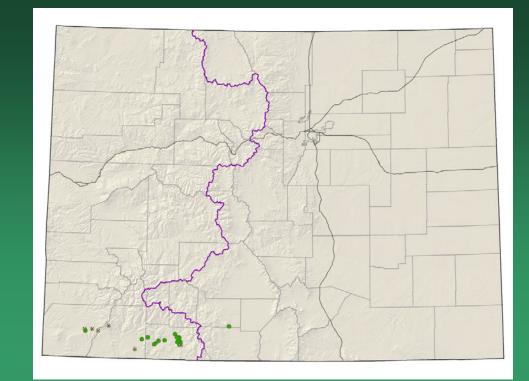


- Federal status: none
- Heritage ranks: G2/S2
- Global distribution: Colorado endemic (Montrose, Gunnison and Delta counties)
- <u>Elevation range</u>: 5,790-9,530 ft.
- Last observed in Colorado: 2012
- Colorado occurrences: 14 (4 are historical)
- Colorado individuals: 100's
- Primary threats: grazing, off-road vehicle use, non-native species invasion
- Land ownership/management: BLM, NPS, private, USFS

#### Thelypodiopsis juniperorum

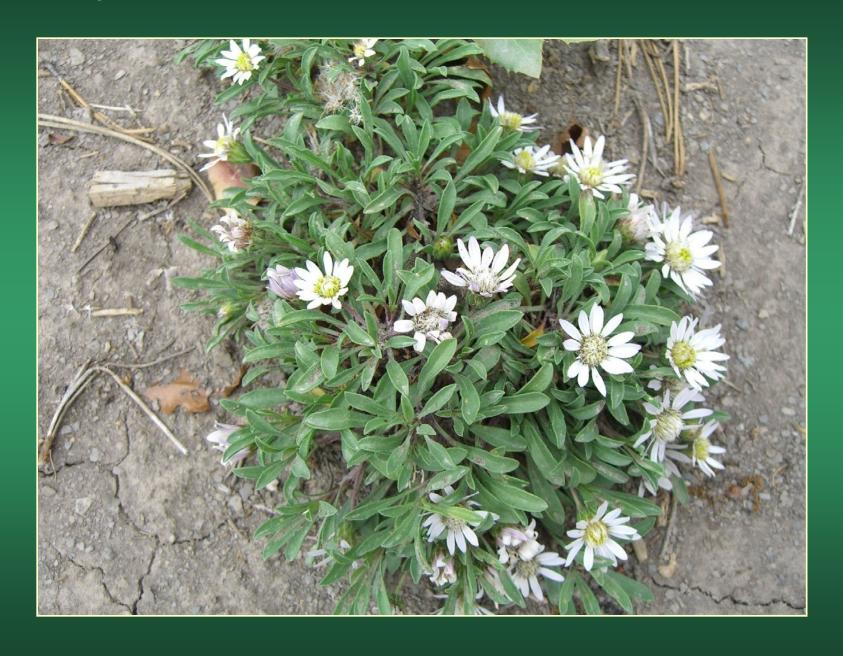


# Townsendia glabella Gray's townsend-daisy

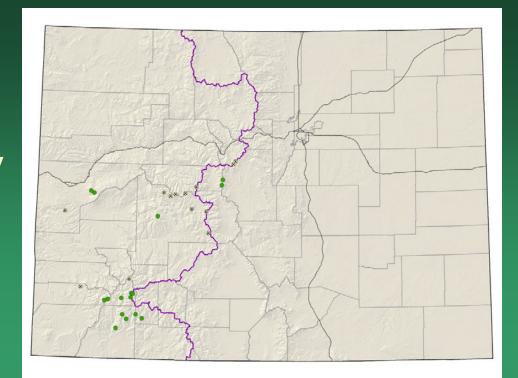


- Federal status: none
- Heritage ranks: G2/S2
- Global distribution: Colorado endemic (Archuleta, La Plata and Montezuma counties)
- <u>Elevation range</u>: 6,350-9,675 ft.
- Last observed in Colorado: 2013
- Colorado occurrences: 22 (9 are historical)
- Colorado individuals: >1,250
- Primary threats: Residential development
- Land ownership/management: BLM, NPS, state, private, tribe, USFS

#### Townsendia glabella



# Townsendia rothrockii Rothrock townsend-daisy



- <u>Federal status</u>: none
- Heritage ranks: G2G3/S2S3
- Global distribution: Colorado endemic (Dolores, Gunnison, Hinsdale, La Plata, Lake, Mesa, Ouray, Park, Pitkin, San Juan, and Summit counties)
- <u>Elevation range</u>: 7,920-13,220 ft.
- Last observed in Colorado: 2011
- Colorado occurrences: 29 (13 are historical)
- Colorado individuals: >4300
- Primary threats: motorized recreation
- <u>Land ownership/management</u>: BLM, local government, NGO/land trust, private, USFS

#### Townsendia rothrockii



#### Thanks to all who have contributed pictures to the presentations

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Janis Huggins R. Price

Bill Jennings David C. Reed

Colorado Natural Heritage Program The Nature Conservancy

And others – let us know if you recognize a photo

Colorado Natural Heritage Program: www.cnhp.colostate.edu cnhpblog.blogspot.com

Jill.Handwerk@colostate.edu

Bernadette.kuhn@colostate.edu