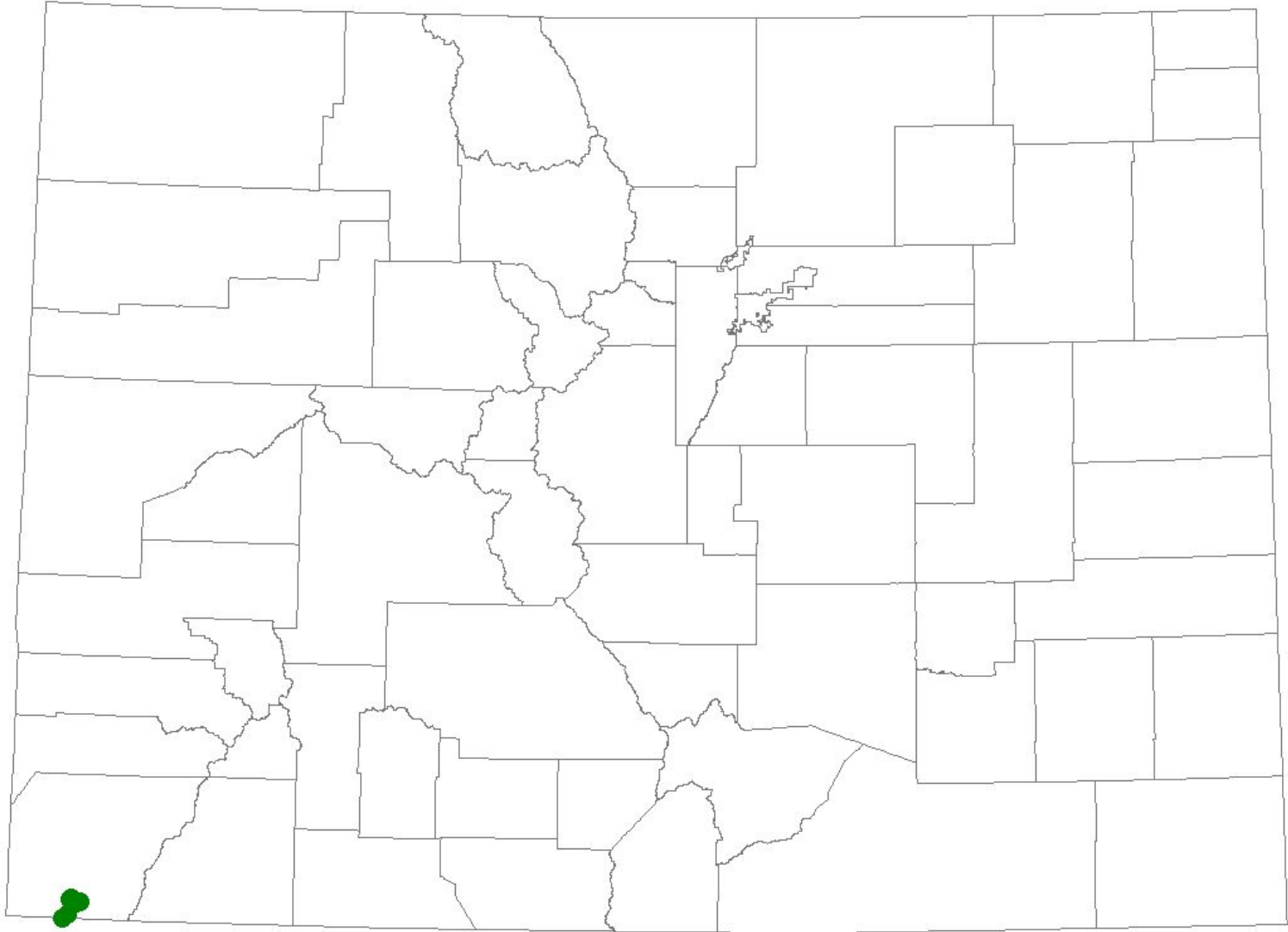


Astragalus humilimus
Mancos milkvetch

- Federal status: Endangered
- Heritage ranks: G1/S1
- Global distribution: New Mexico and Colorado

Astragalus humilimus
Mancos milkvetch

- Last observed in Colorado: 1989
- Colorado occurrences: 4
- Colorado individuals: 25,000
- Primary threats: mineral, oil, and gas development, seismic exploration
- Land ownership/management: Ute Mountain Ute









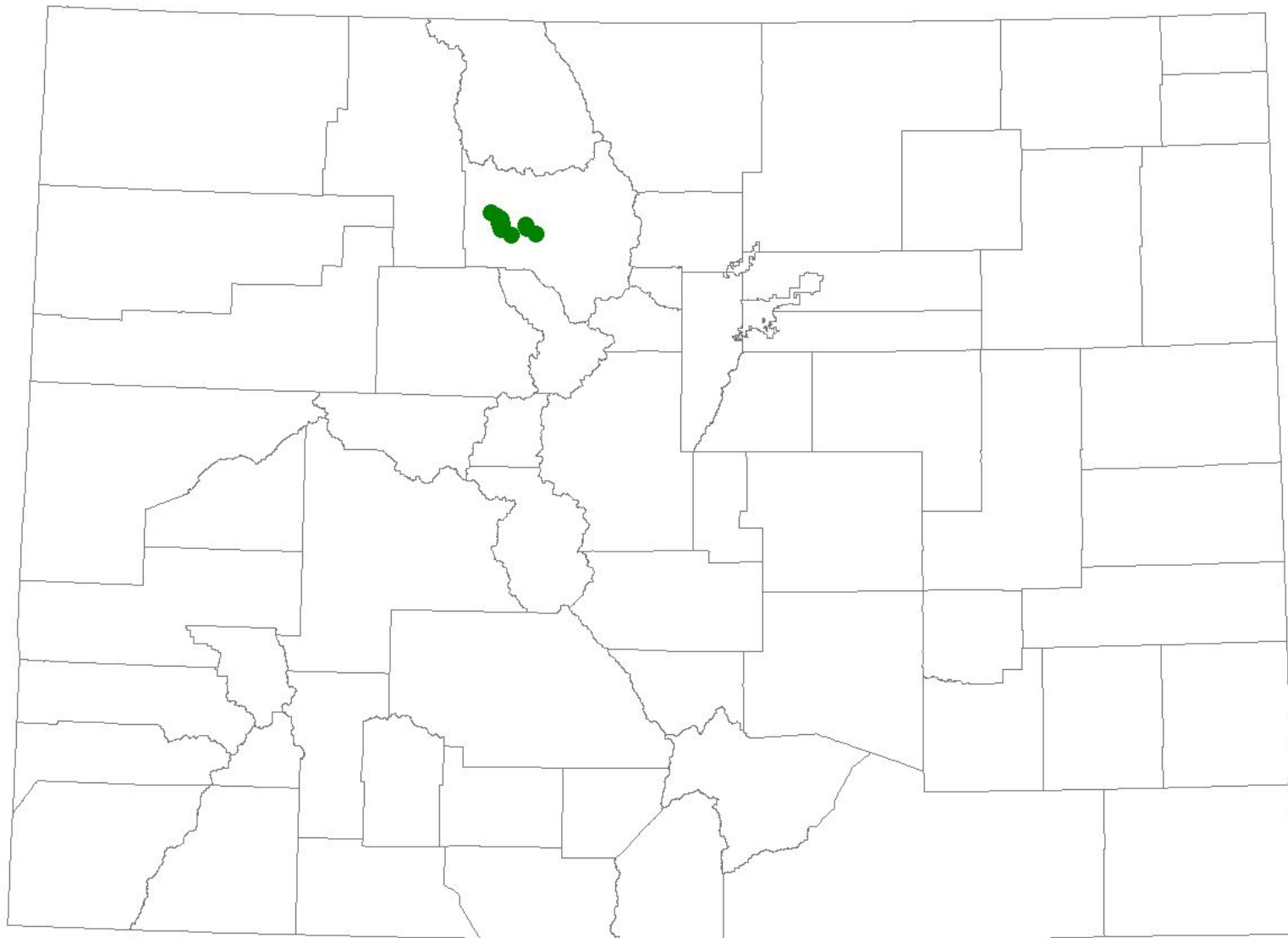
Astragalus osterhoutii
Osterhout milkvetch

- Federal status: Endangered
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic

Astragalus osterhoutii

Osterhout milkvetch

- Last observed: 1994
- Occurrences: 9 (previously 10)
- Individuals: 25,000-50,000
- Primary threats: recreation, mining, oil and gas development
- Land ownership/management: BLM, private, state









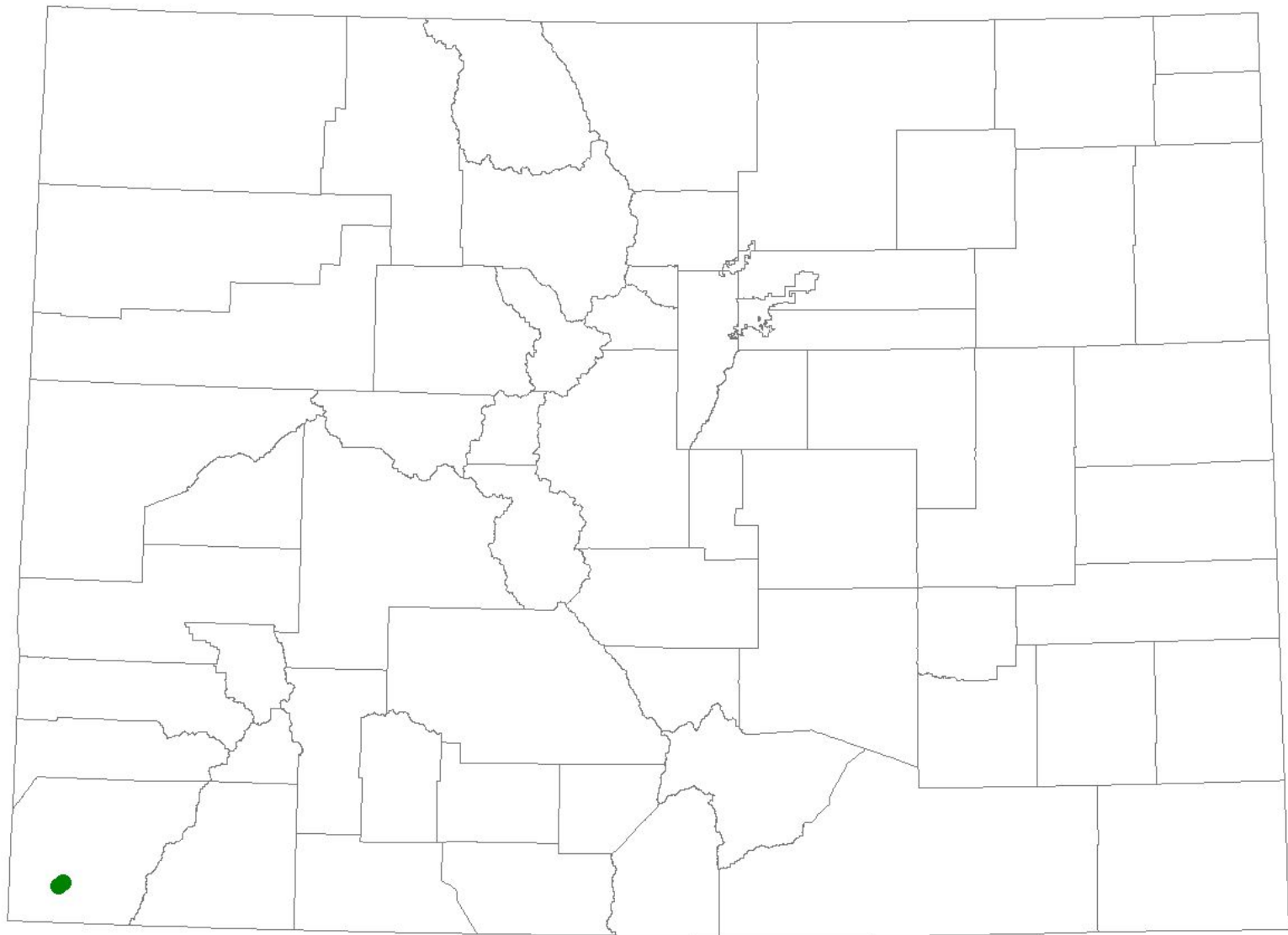
Astragalus tortipes
Sleeping Ute milkvetch

- Federal status: Candidate
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic

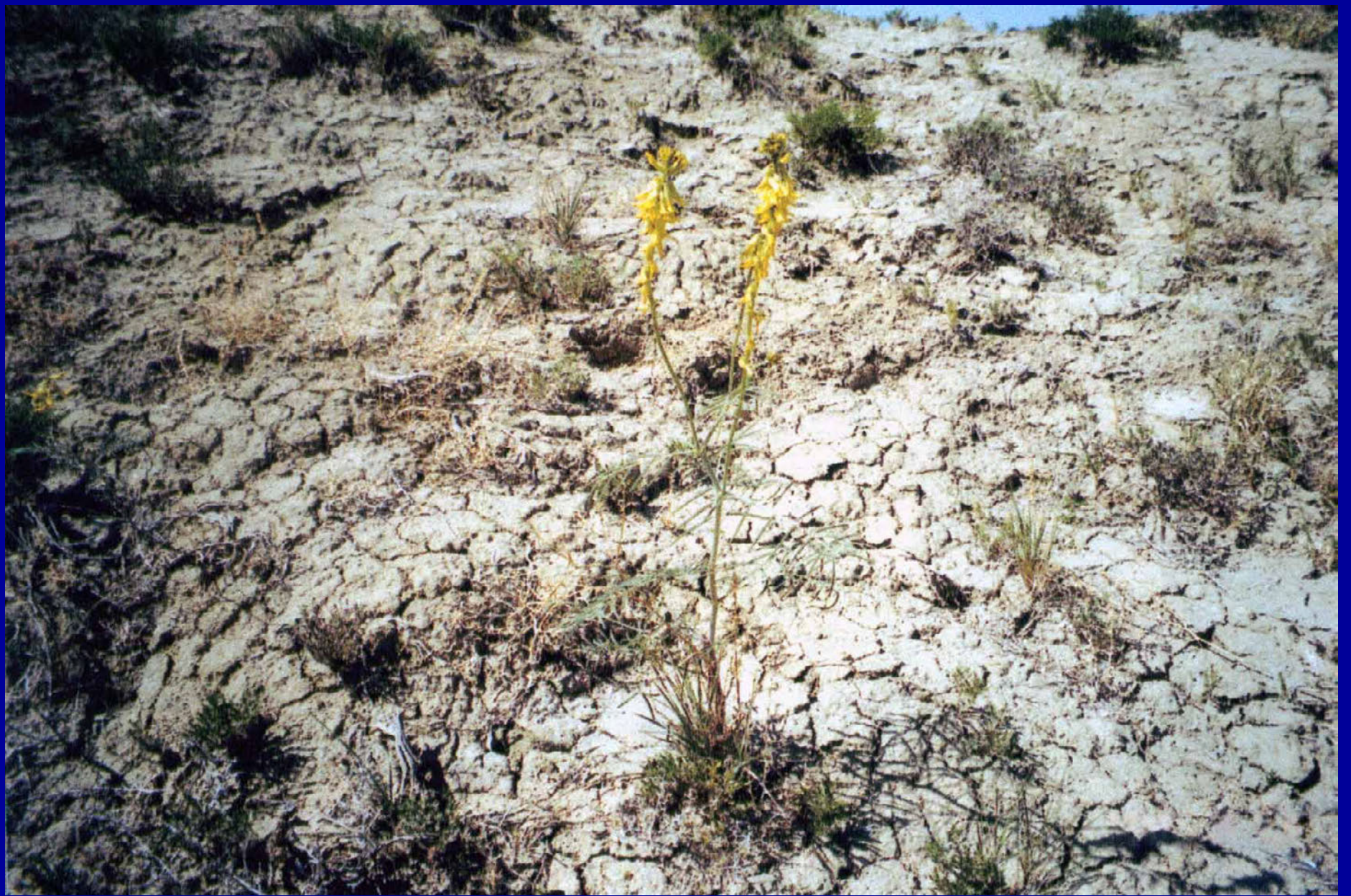
Astragalus tortipes

Sleeping Ute milkvetch

- Last observed: 2000
- Occurrences: 2
- Individuals: 2,000-3,000
- Primary threats: McPhee Reservoir canals, agricultural development
- Land ownership/management: Ute Mountain Ute















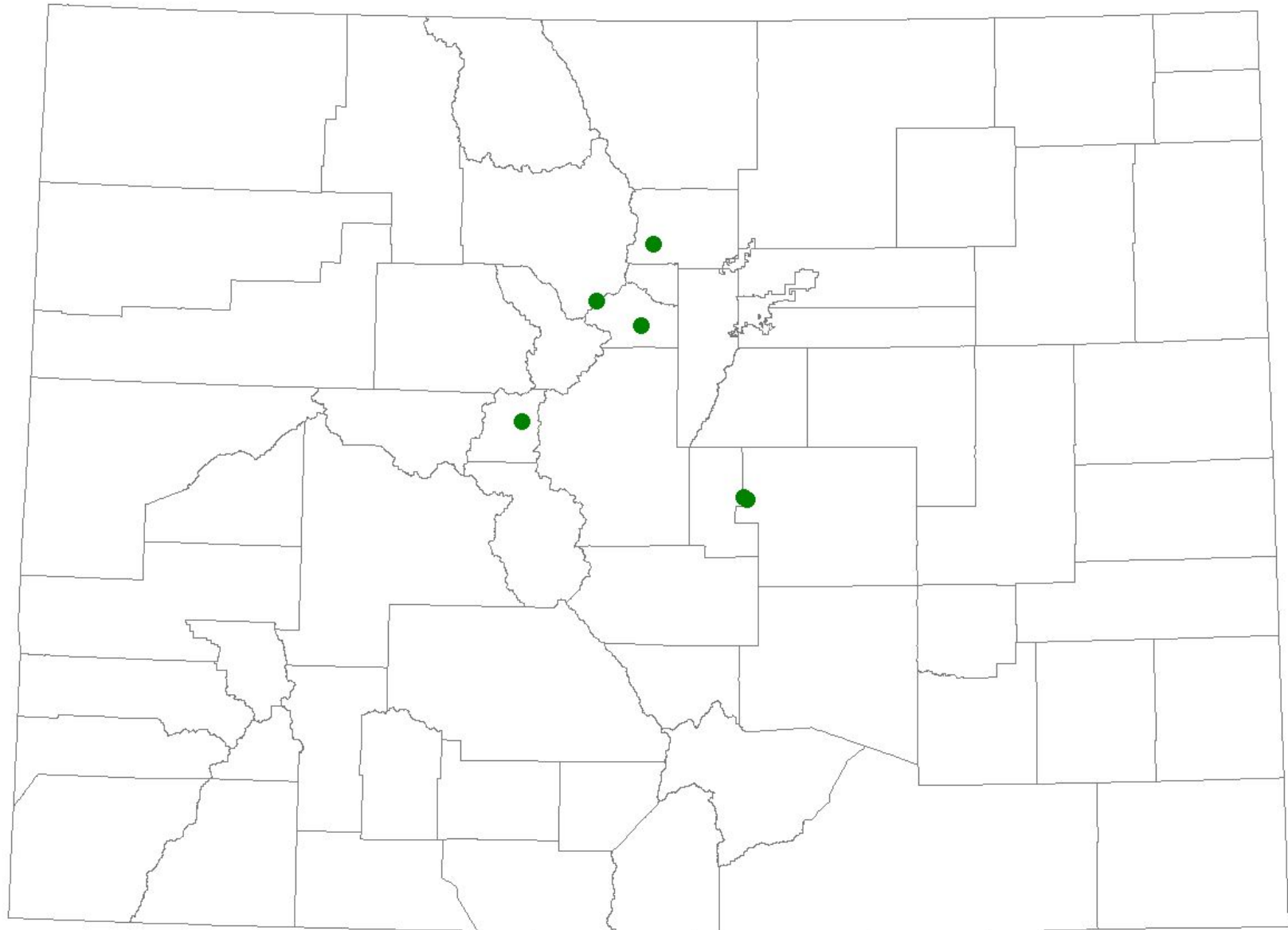


Botrychium lineare
Narrowleaf grapefern

- Federal status: Candidate
- Heritage ranks: G1/S1
- Global distribution: New Brunswick, Quebec, Idaho, Montana, Oregon, California, Wyoming, and Colorado

Botrychium lineare
Narrowleaf grapefern

- Last observed in Colorado: 2003
- Colorado occurrences: 4 (or more)
- Colorado individuals: 60
- Primary threats: road maintenance, weeds
- Land ownership/management: USFS, private, city of Denver









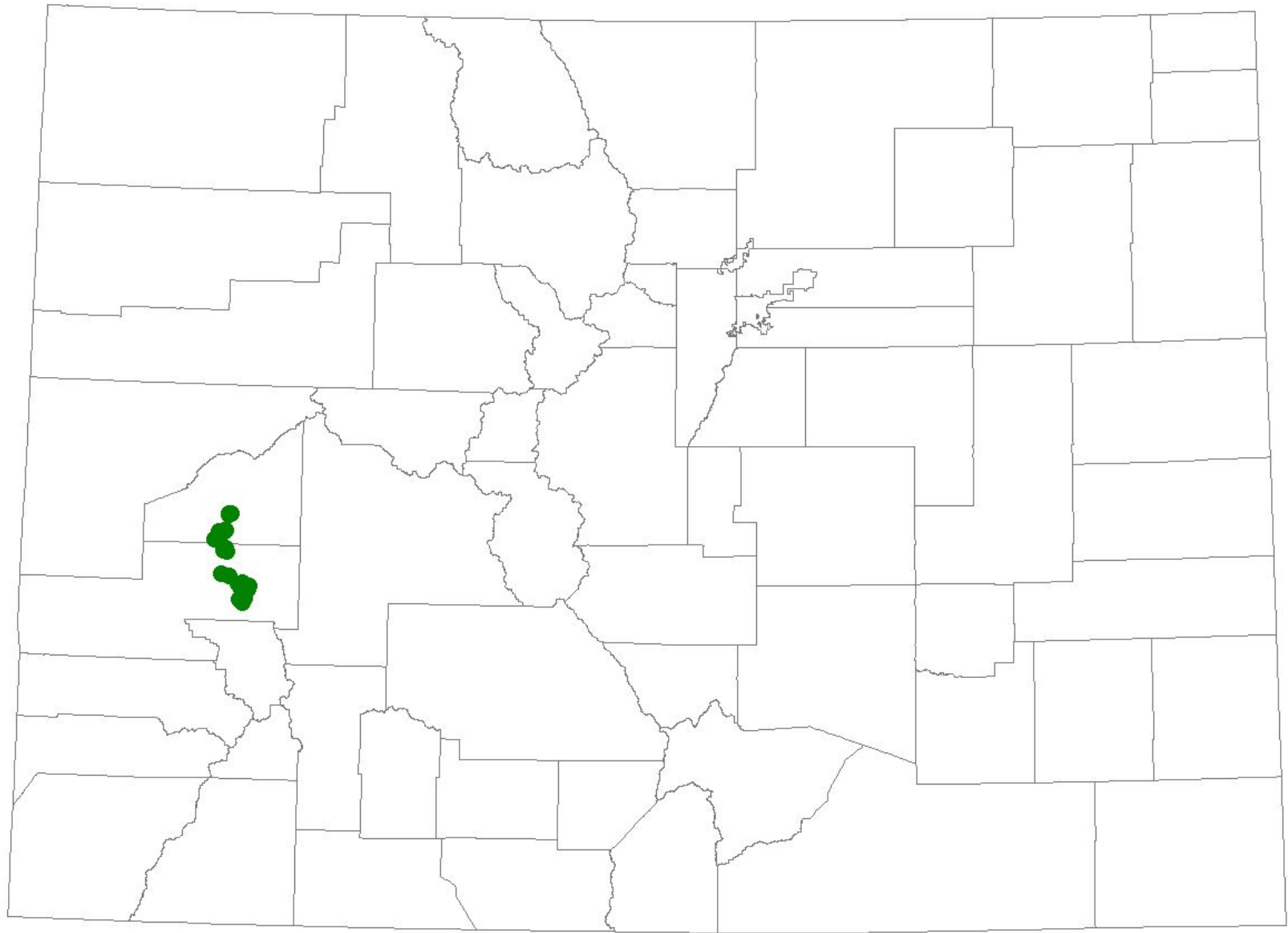


Eriogonum pelinophilum
Clay-loving wild buckwheat

- Federal status: Endangered
- Heritage ranks: G2/S2
- Global distribution: Colorado endemic

Eriogonum pelinophilum
Clay-loving wild buckwheat

- Last observed: 1998
- occurrences: 24
- Individuals: 30,000
- Primary threats: residential and agricultural developments, ORV use, overgrazing, oil and gas exploration
- Land ownership/management: private, BLM















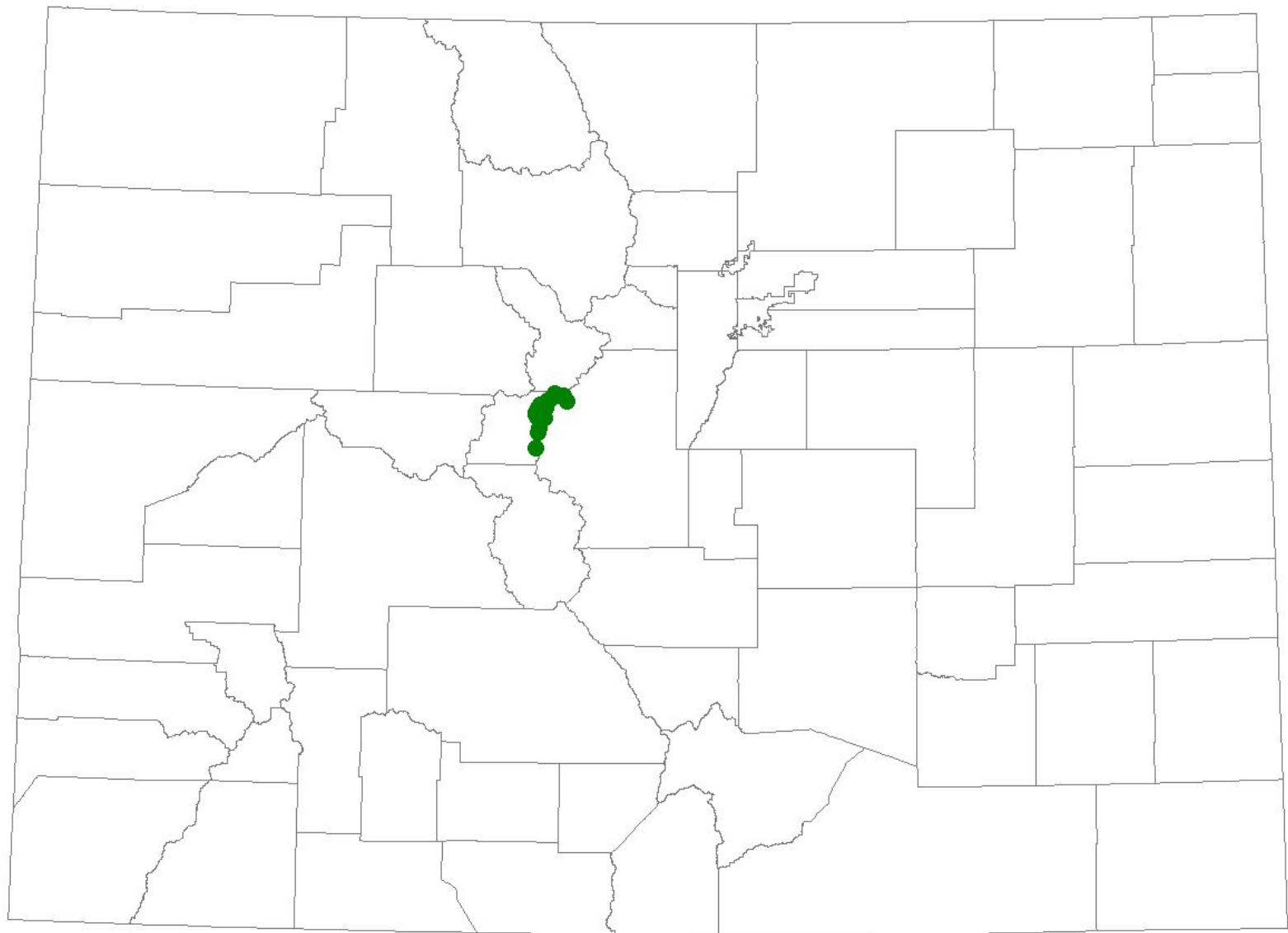
Eutrema penlandii

Penland alpine fen mustard

- Federal status: Endangered
- Heritage ranks: G1G2/S1S2
- Global distribution: Colorado endemic

Eutrema penlandii
Penland alpine fen mustard

- Last observed: 1998
- Occurrences: 11
- Individuals: 10,000-12,000
- Primary threats: mining, recreation
- Land ownership/management: private, USFS, BLM









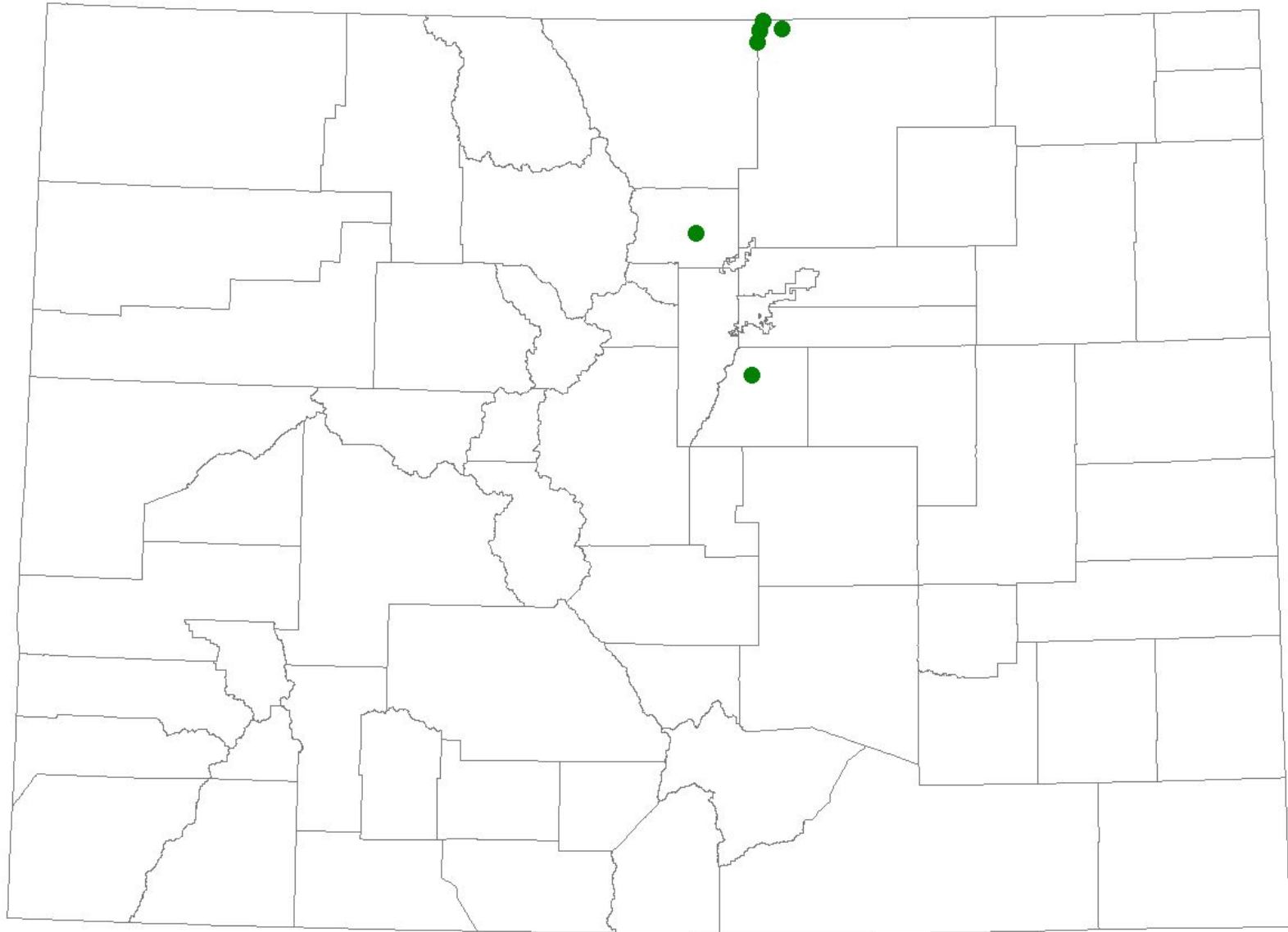
Gaura neomexicana ssp. *coloradensis*
Colorado butterfly plant

- Federal status: Threatened
- Heritage ranks: G3T2/S1
- Global distribution: Wyoming, Nebraska, and Colorado

Gaura neomexicana ssp.
coloradensis

Colorado butterfly plant

- Last observed in Colorado: 1999
- Colorado occurrences: 1 (previously 8)
- Colorado individuals: 1000
- Primary threats: grazing, hydrological alterations, weeds, Interstate 25
- Land ownership: City of Fort Collins, private, state



















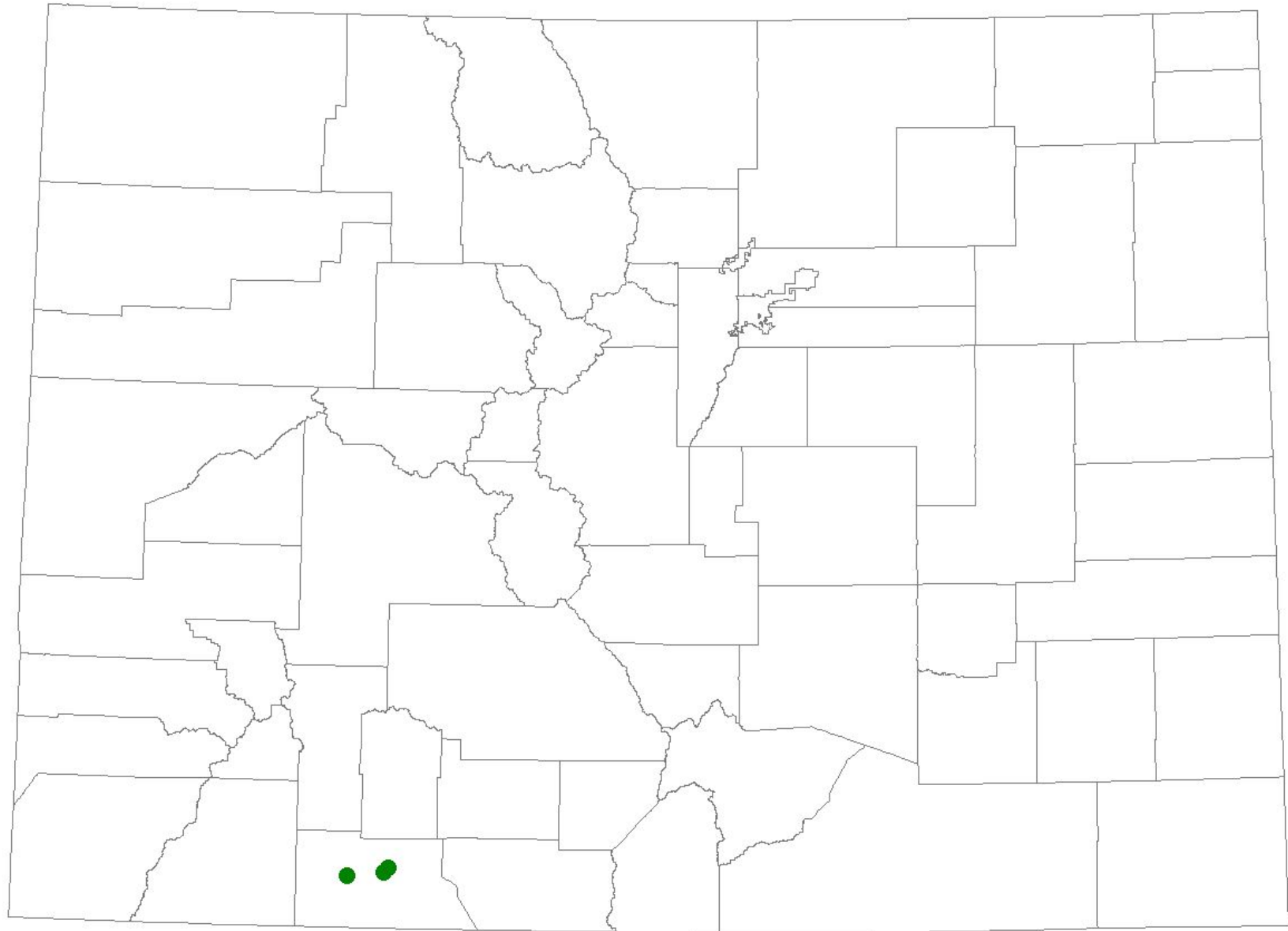


Ipomopsis polyantha
Pagosa gilia

- Federal status: currently being evaluated for Candidate status.
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic

Ipomopsis polyantha
Pagosa gilia

- Last observed: 2004
- Individuals: 10,000
- Occurrences: 3
- Primary threats: residential development, road construction and maintenance, overgrazing
- Land ownership/management: private, highway right of way

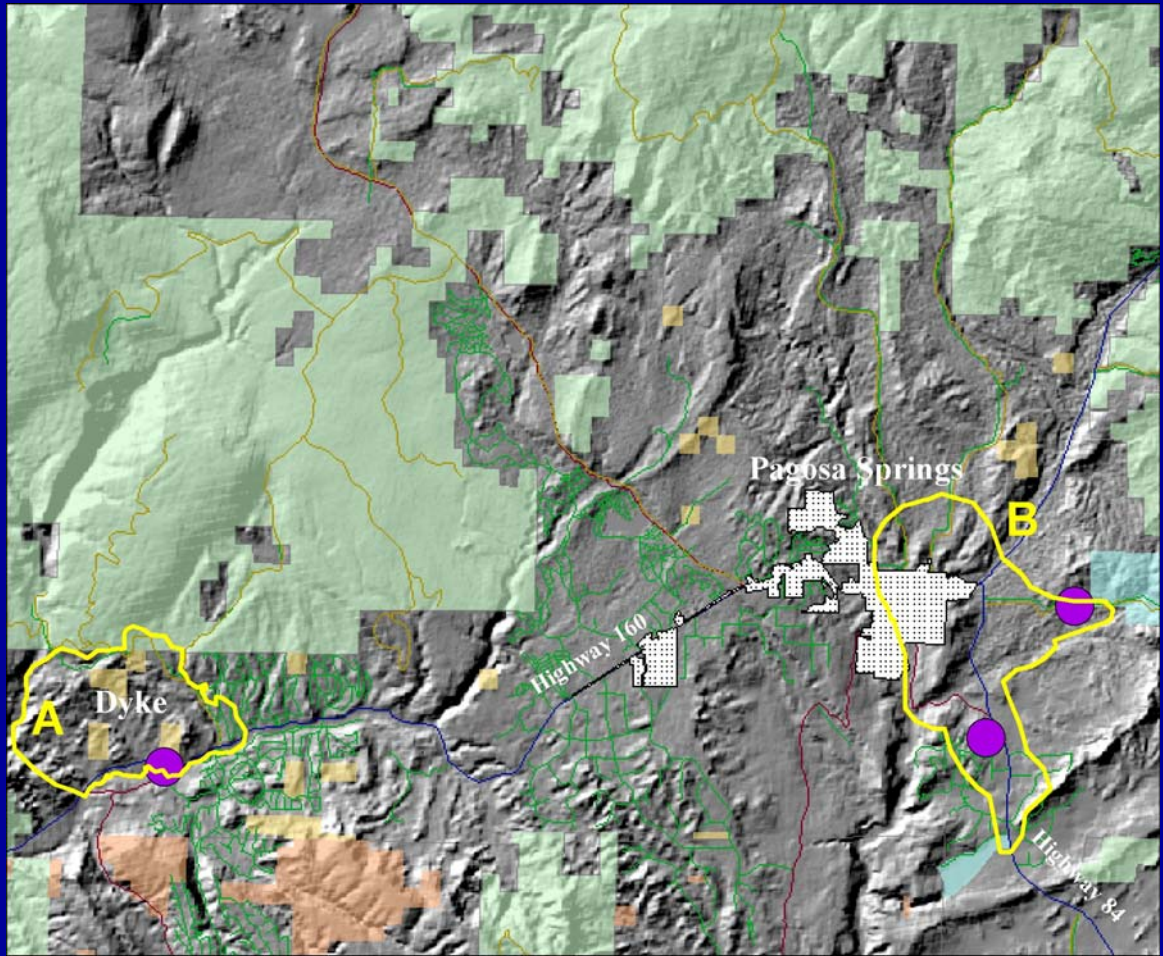








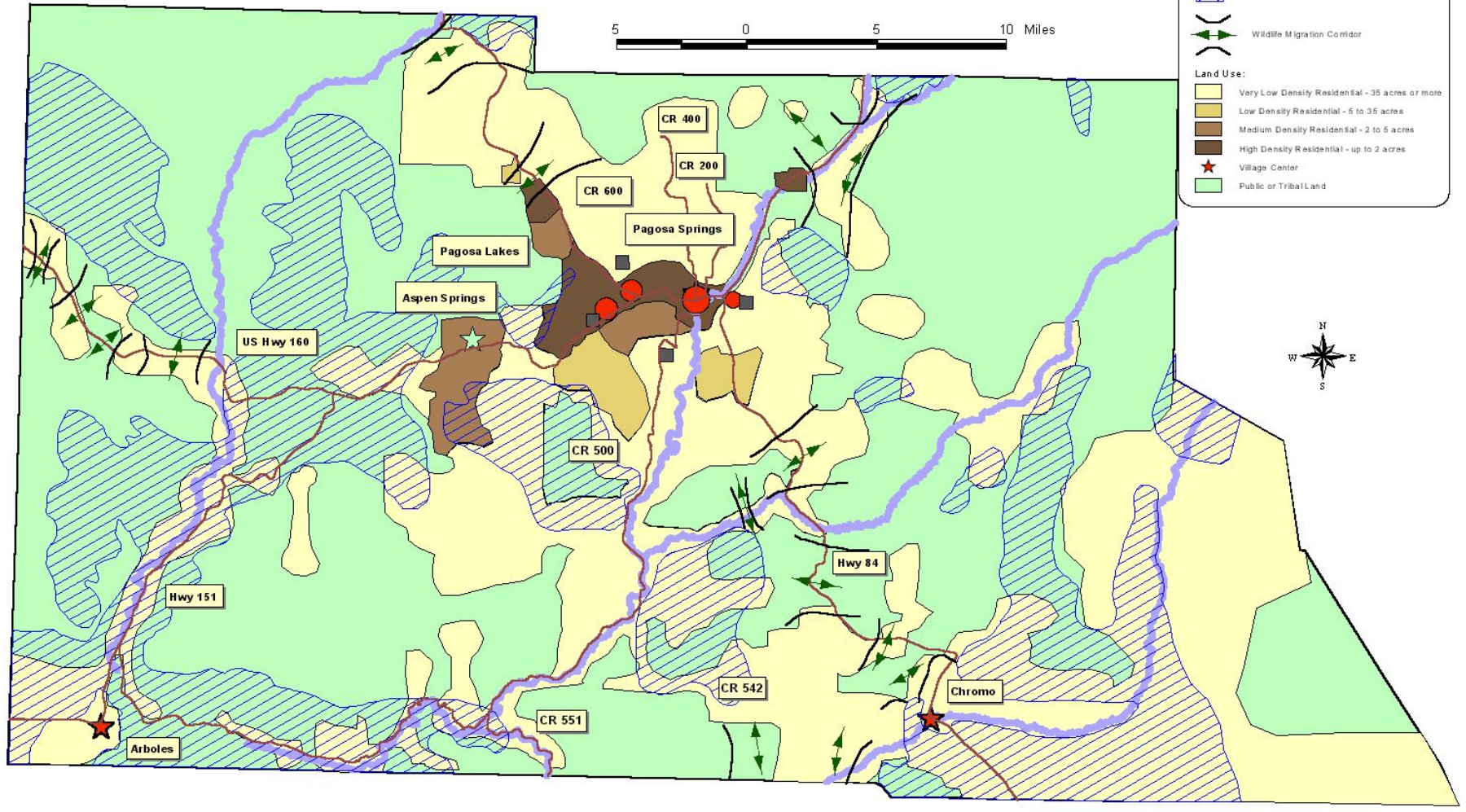




-  *Ipomopsis polyantha*
-  Municipal Boundaries
-  Forest Service Roads
-  Highways
-  Local Roads
-  Major Roads
-  Potential Conservation Areas (A= Stollsteimer Creek, B= Mill Creek)
-  State Land
-  San Juan National Forest
-  Wilderness Areas
-  Bureau of Land Management
-  Indian Reservations
-  Private Lands



Map 5: Future Land Use

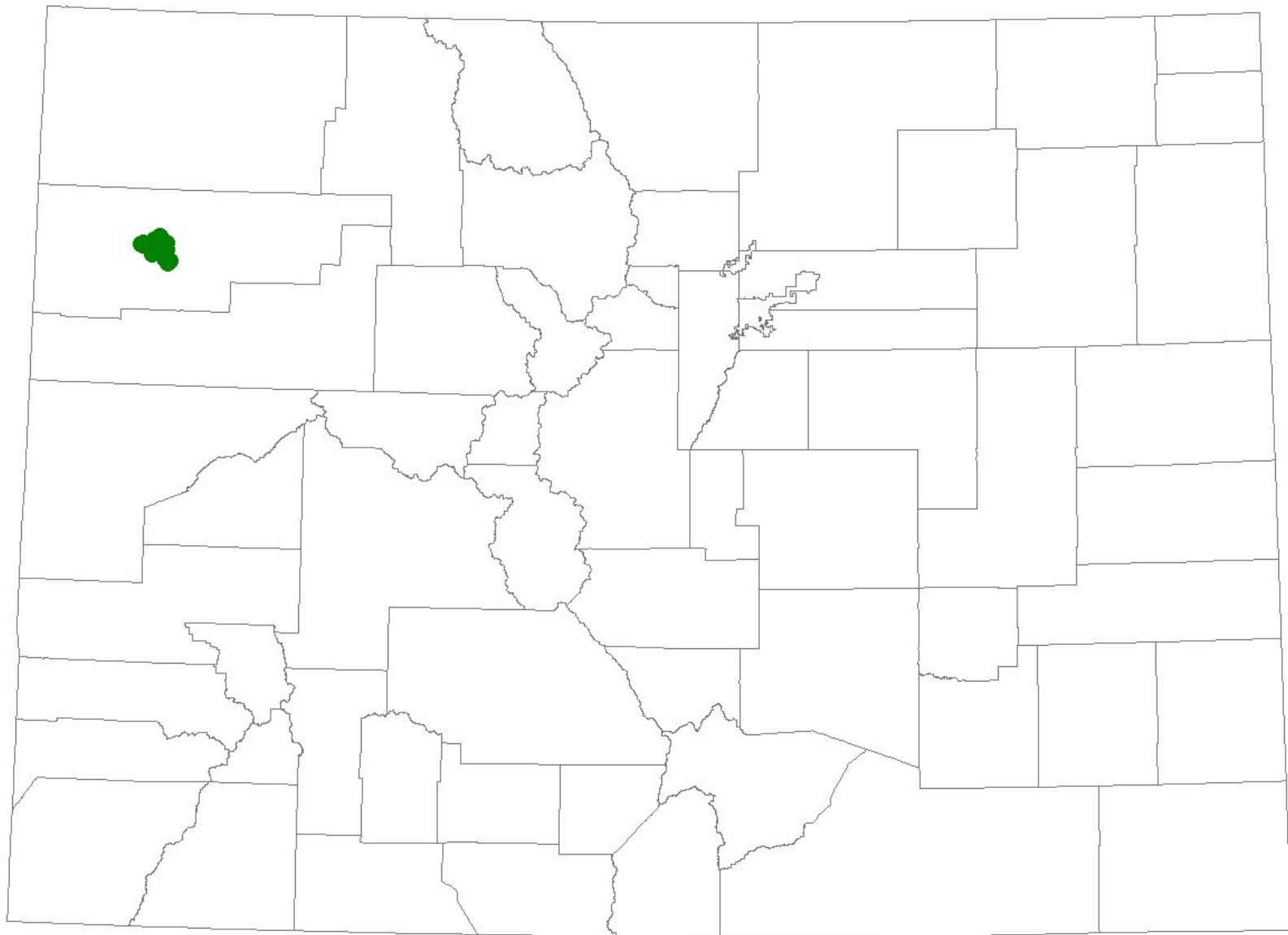


Lesquerella congesta
Dudley Bluffs bladderpod

- Federal status: Threatened
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic

Lesquerella congesta
Dudley Bluffs bladderpod

- Last observed: 2000
- Occurrences: 9
- 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







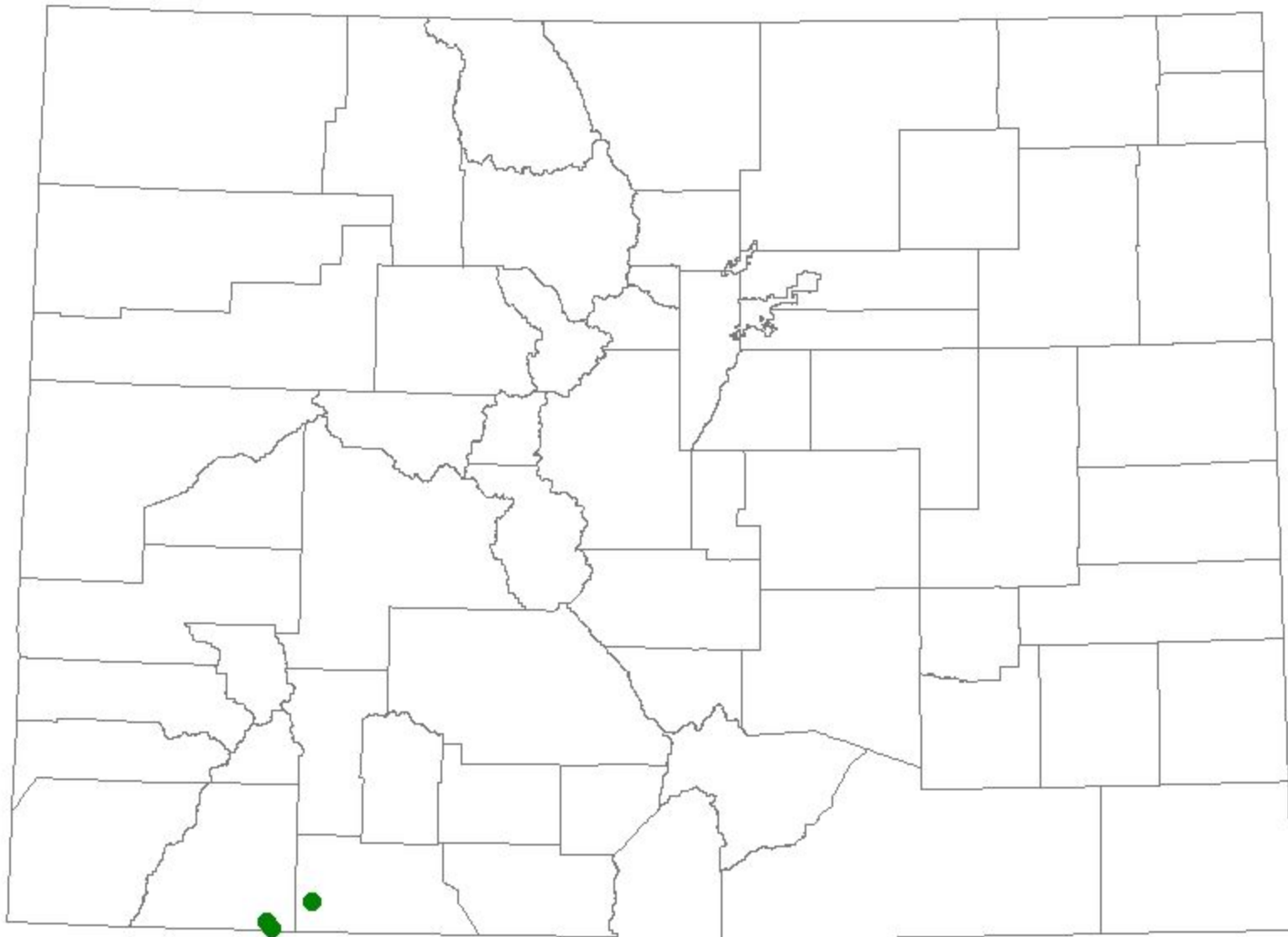


Pediocactus knowltonii
Knowlton's cactus

- Federal status: Endangered
- Heritage ranks: G1/S1
- Global distribution: New Mexico and Colorado

Pediocactus knowltonii
Knowlton's cactus

- Last observed in Colorado: 1995
- Colorado occurrences: 3?
- Individuals: 9,000 in CO and NM
- Primary threats: cactus collection
- Land ownership: private, Ute













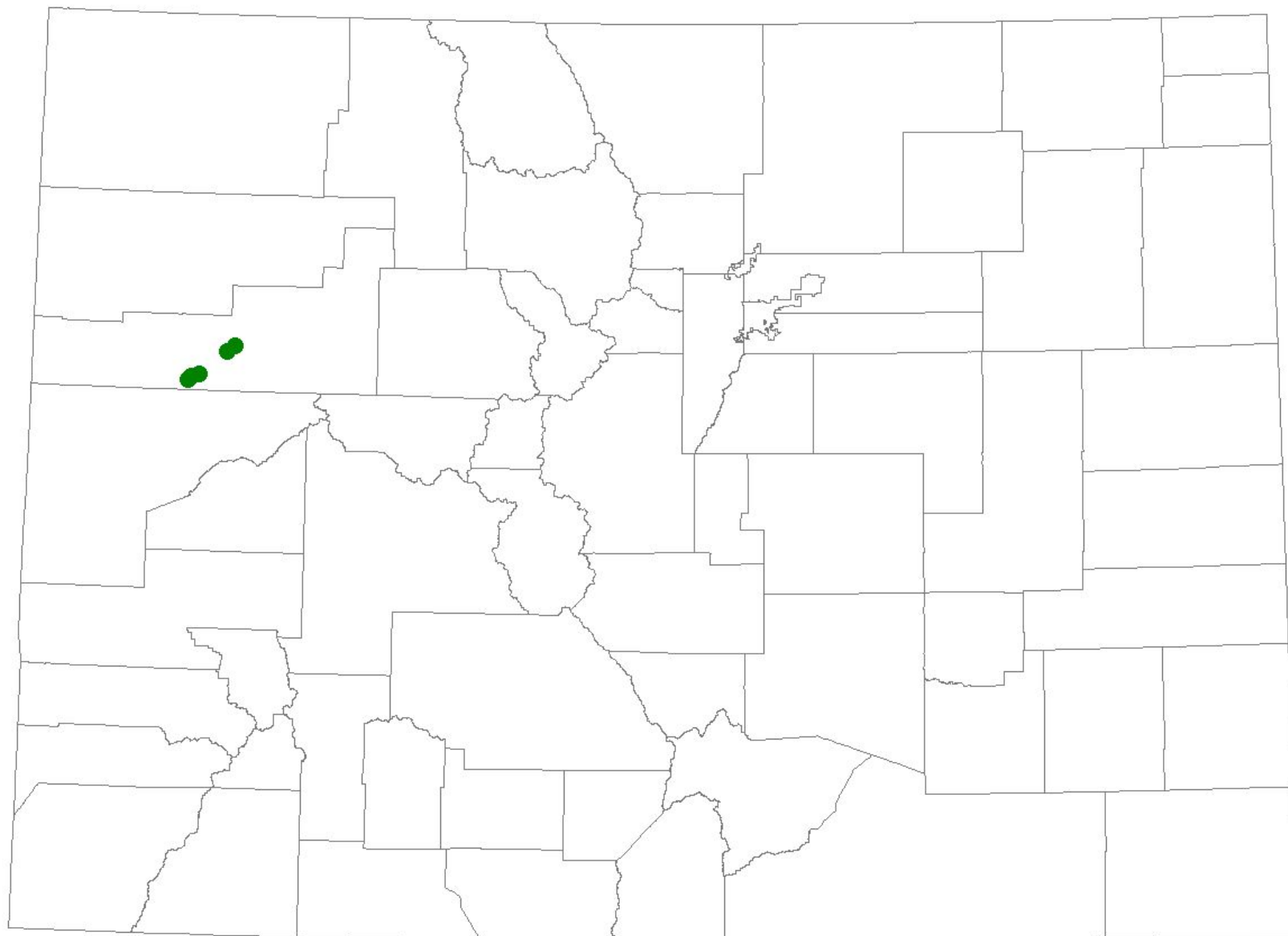


Penstemon debilis
Parachute penstemon

- Federal status: Candidate
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic

Penstemon debilis
Parachute penstemon

- Last observed: 1998
- Occurrences: 5
- Individuals: 6,750
- Primary threats: oil and gas development, oil shale development, recreation
- Land ownership/management: private, BLM, DOE







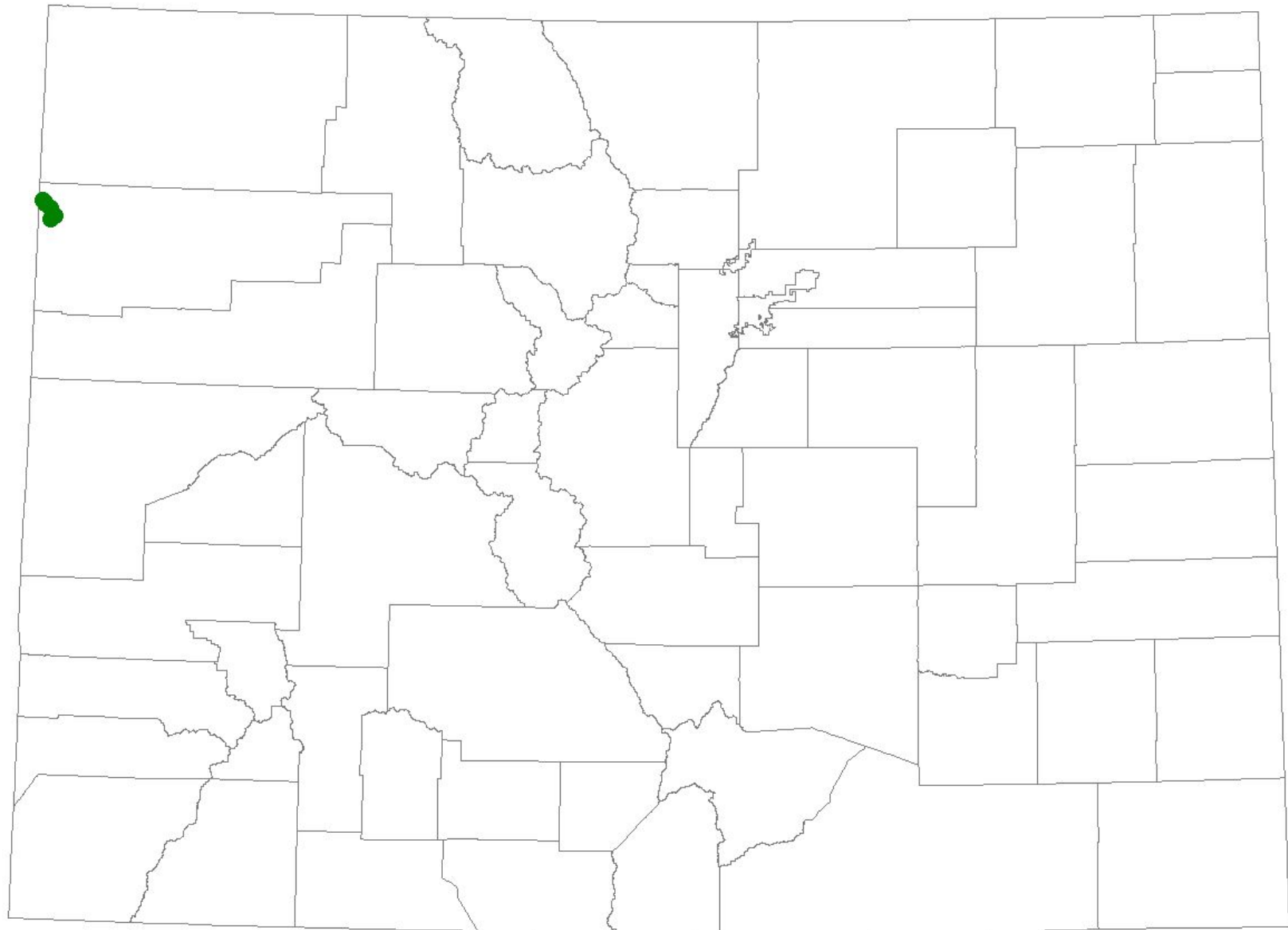


Penstemon grahamii
Graham beardtongue

- Federal status: Candidate
- Heritage ranks: G2/S2
- Global distribution: Utah and Colorado

Penstemon grahamii
Graham beardtongue

- Last observed in Colorado: 2003
- Colorado occurrences: 8
- Colorado individuals: 5,000
- Primary threats: oil and gas development, overgrazing
- Land ownership/management: BLM





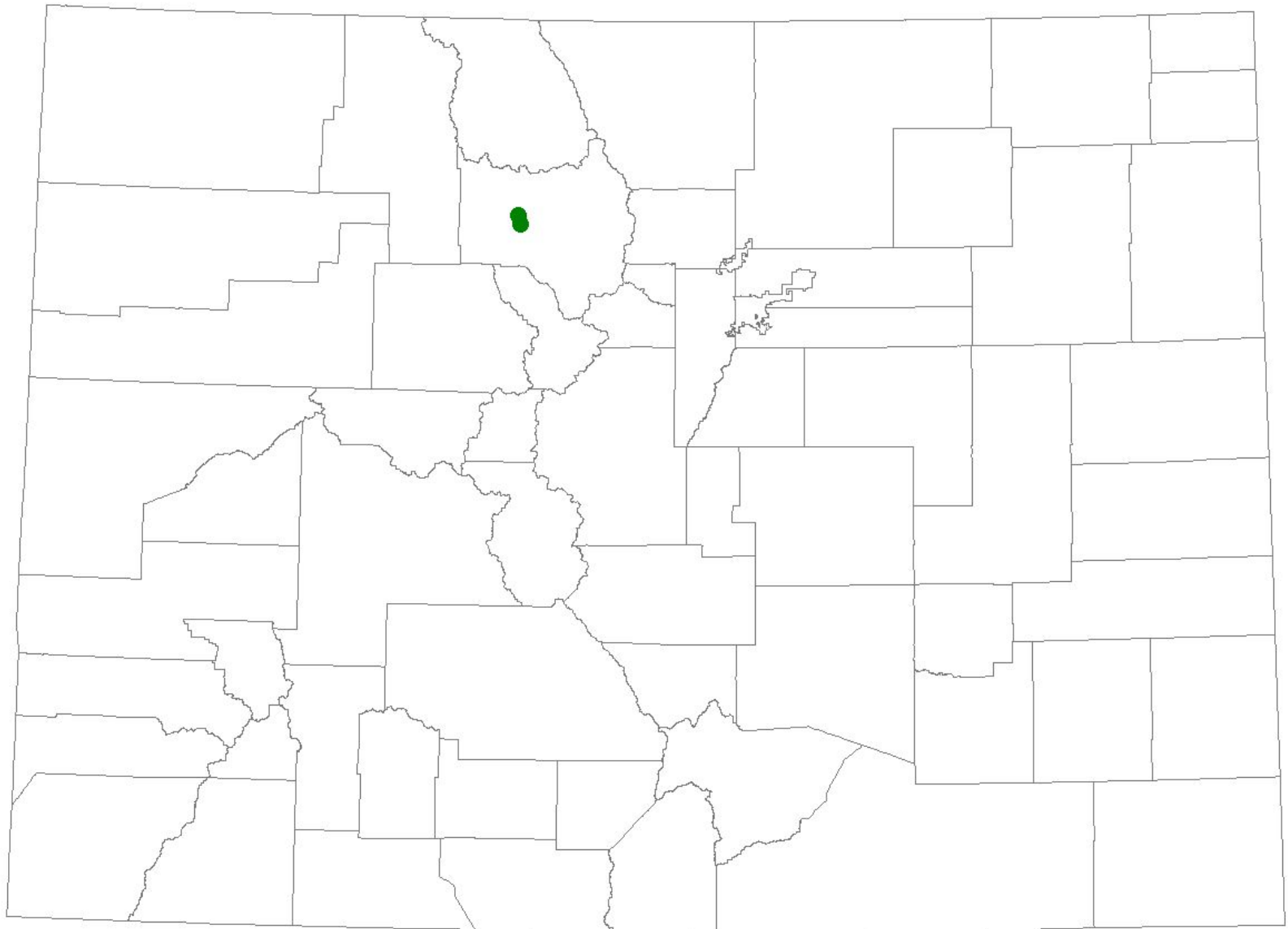


Penstemon penlandii
Penland beardtongue

- Federal status: Endangered
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic

Penstemon penlandii
Penland beardtongue

- Last observed: 1994
- Occurrences: 2
- Individuals: 5,000-8,000
- Primary threats: road maintenance (grading, spraying, snow plowing), ORV use
- Land ownership/management: BLM, private







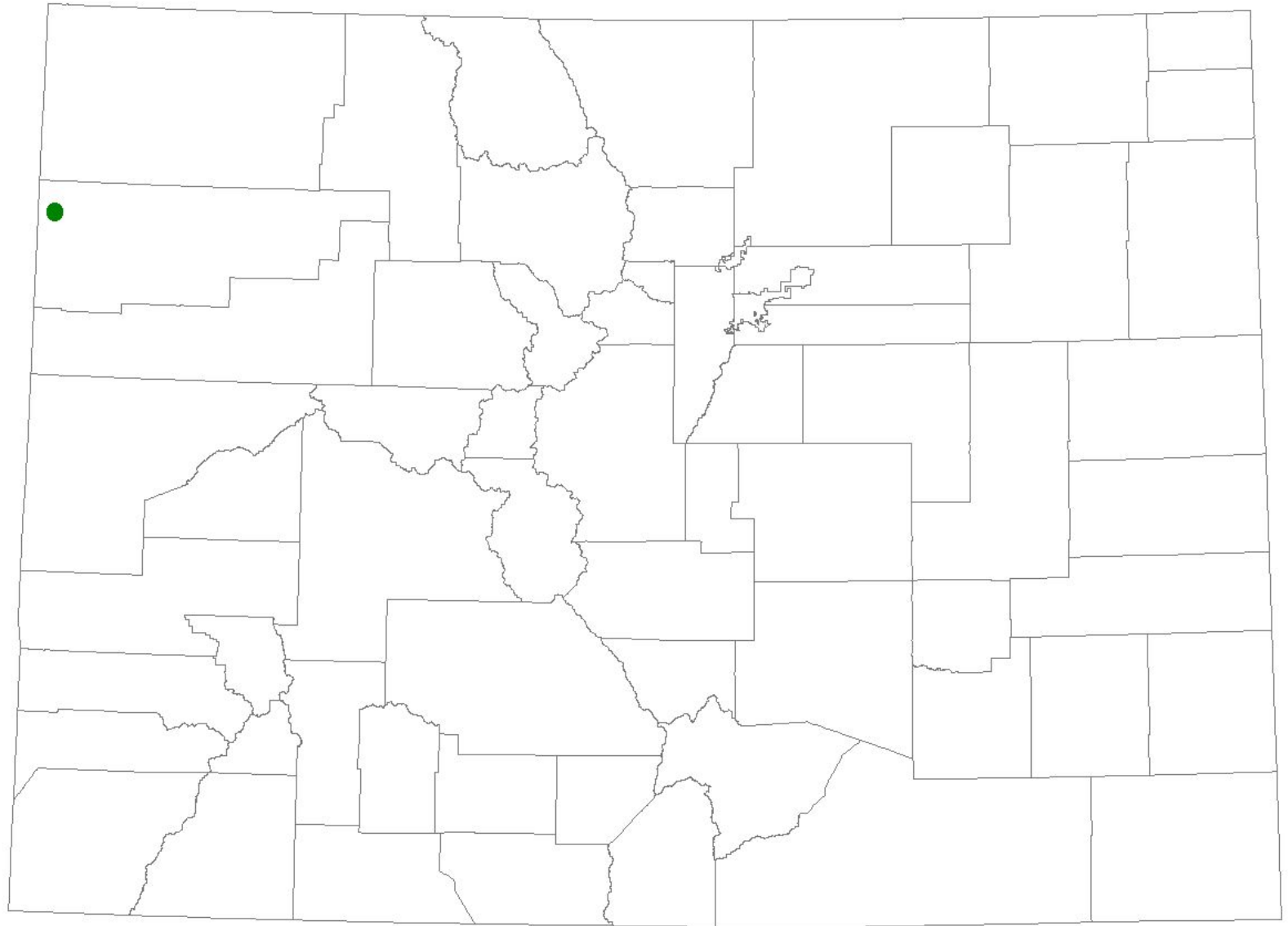


Penstemon scariosus var. *albifluvis*
White River penstemon

- Federal status: Candidate
- Heritage ranks: G4T1/S1
- Global distribution: Utah and Colorado

Penstemon scariosus var. *albifluvis*
White River penstemon

- Last observed in Colorado: 1999
- Colorado occurrences: 1
- Colorado individuals: 50-100
- Primary threats: overgrazing, oil and gas development, ORV use
- Land ownership/management: BLM, private









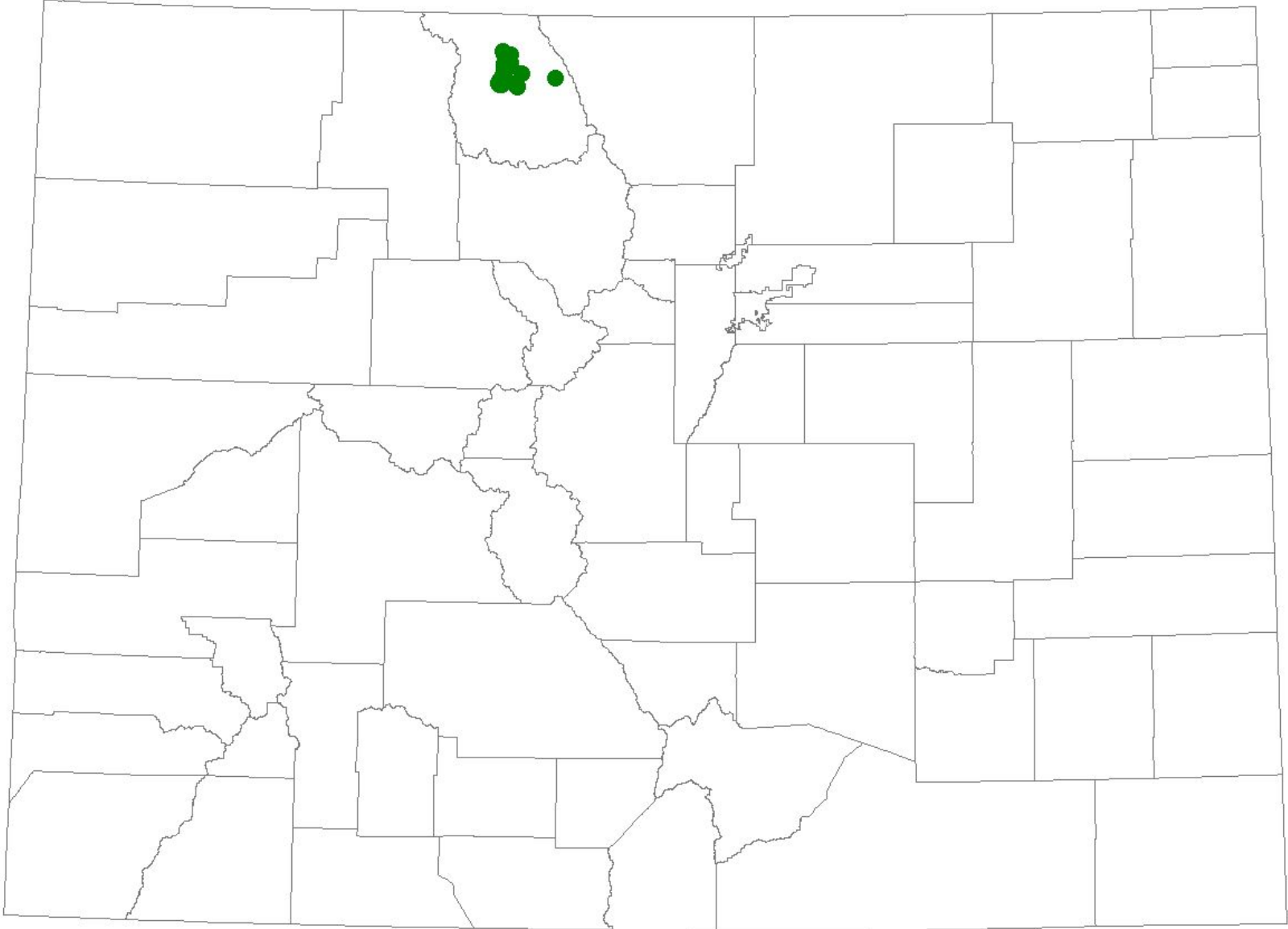


Phacelia formosula
North Park phacelia

- Federal status: Endangered
- Heritage ranks: G1/S1
- Global distribution: Colorado endemic

Phacelia formosula
North Park phacelia

- Last observed: 2004
- Occurrences: 9
- Individuals: 8,000
- Primary threats: ORV use, coal extraction, overgrazing, oil and gas development
- Land ownership/management: BLM, private, USFWS













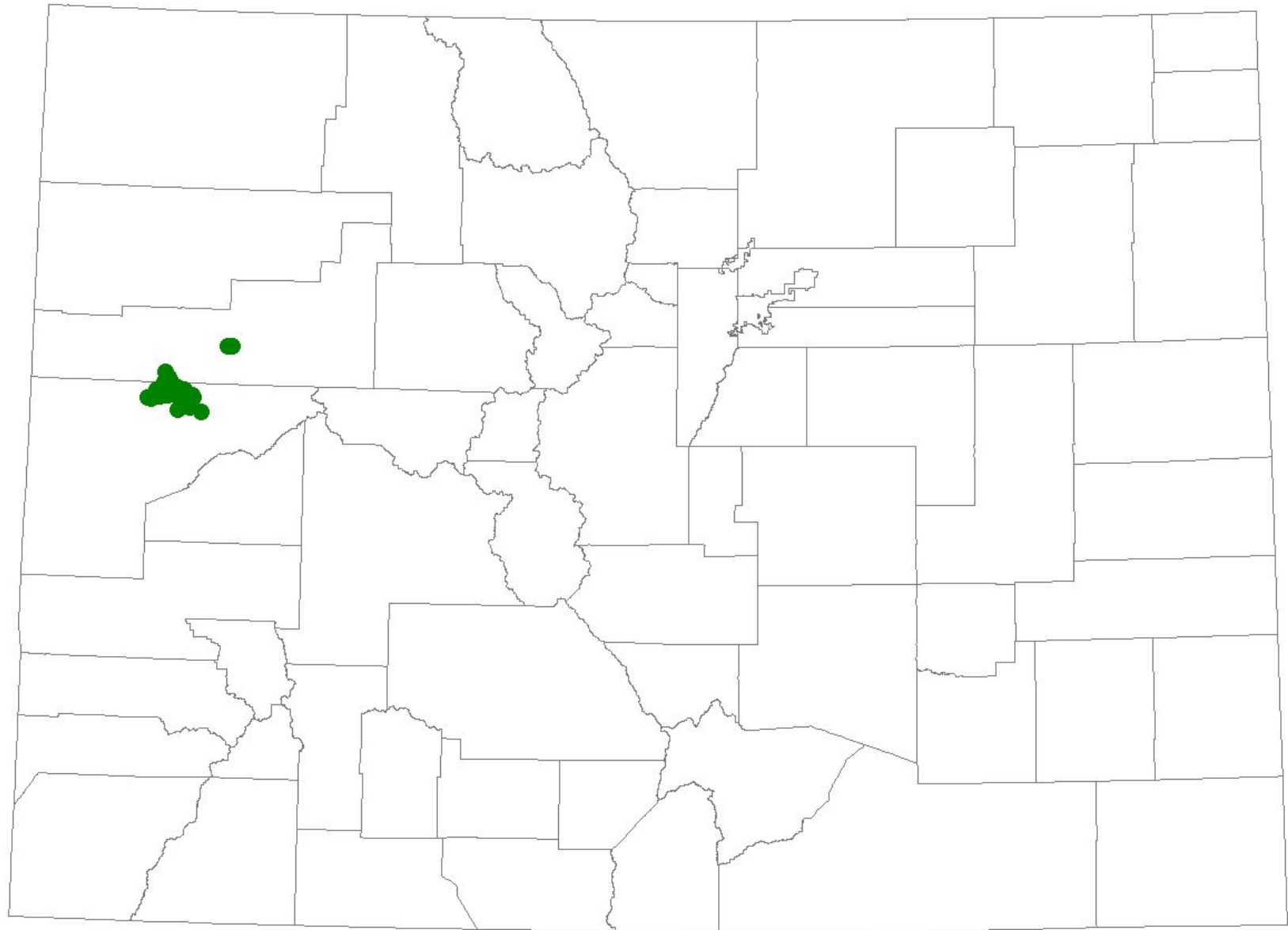


Phacelia submutica
DeBeque phacelia

- Federal status: Candidate
- Heritage ranks: G2/S2
- Global distribution: Colorado endemic

Phacelia submutica
DeBeque phacelia

- Last observed: 2003
- Occurrences: 27
- Individuals: 25,000
- Primary threats: oil and gas development, ORV use, overgrazing, oil shale mining
- Land ownership/management: BLM, private, USFS, DOD







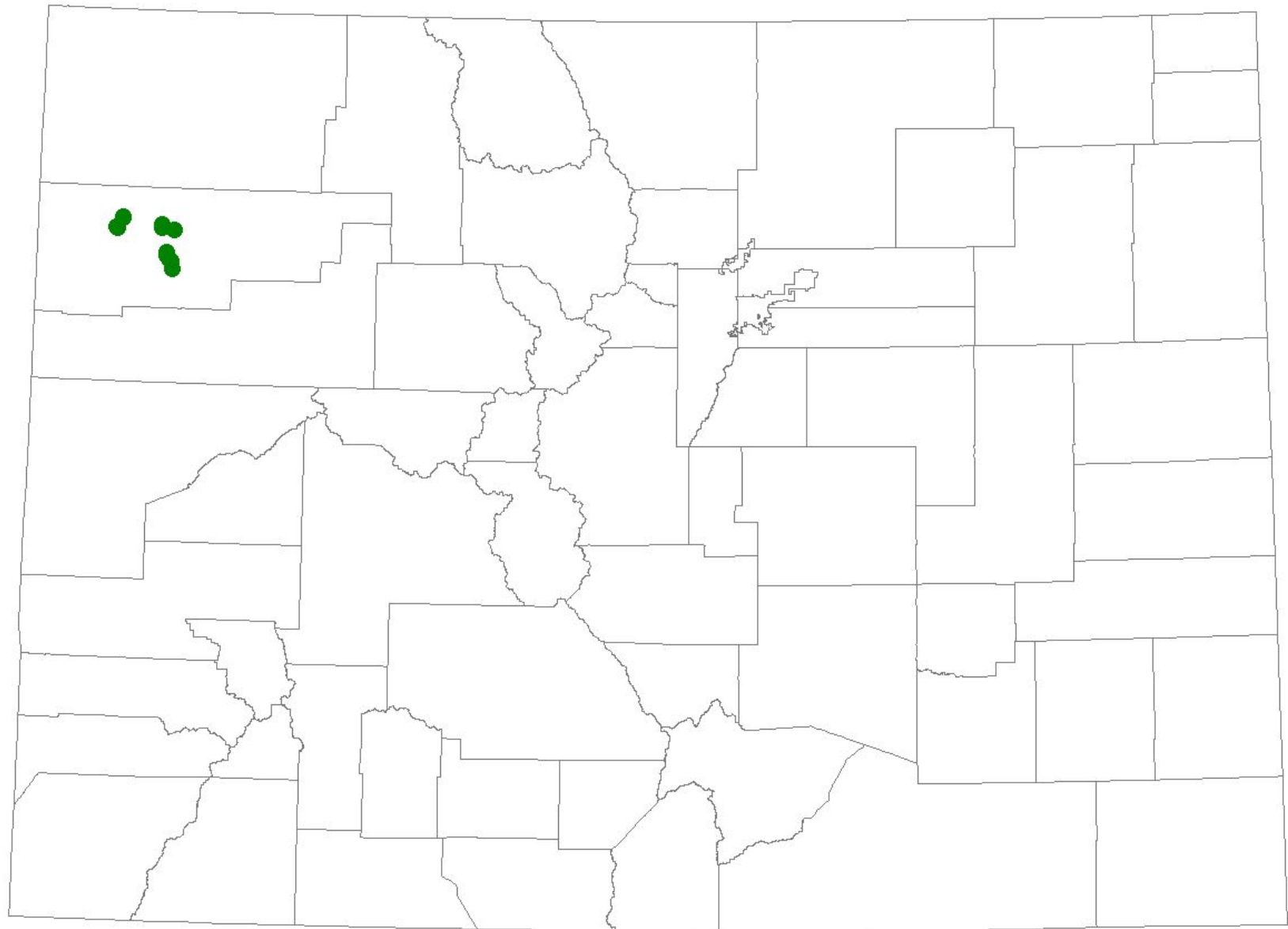


Physaria obovata
Piceance twinpod

- Federal status: Threatened
- Heritage ranks: G2/S2
- Global distribution: Colorado endemic

Physaria obcordata
Piceance twinpod

- Last observed: 2000
- occurrences: 12
- 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











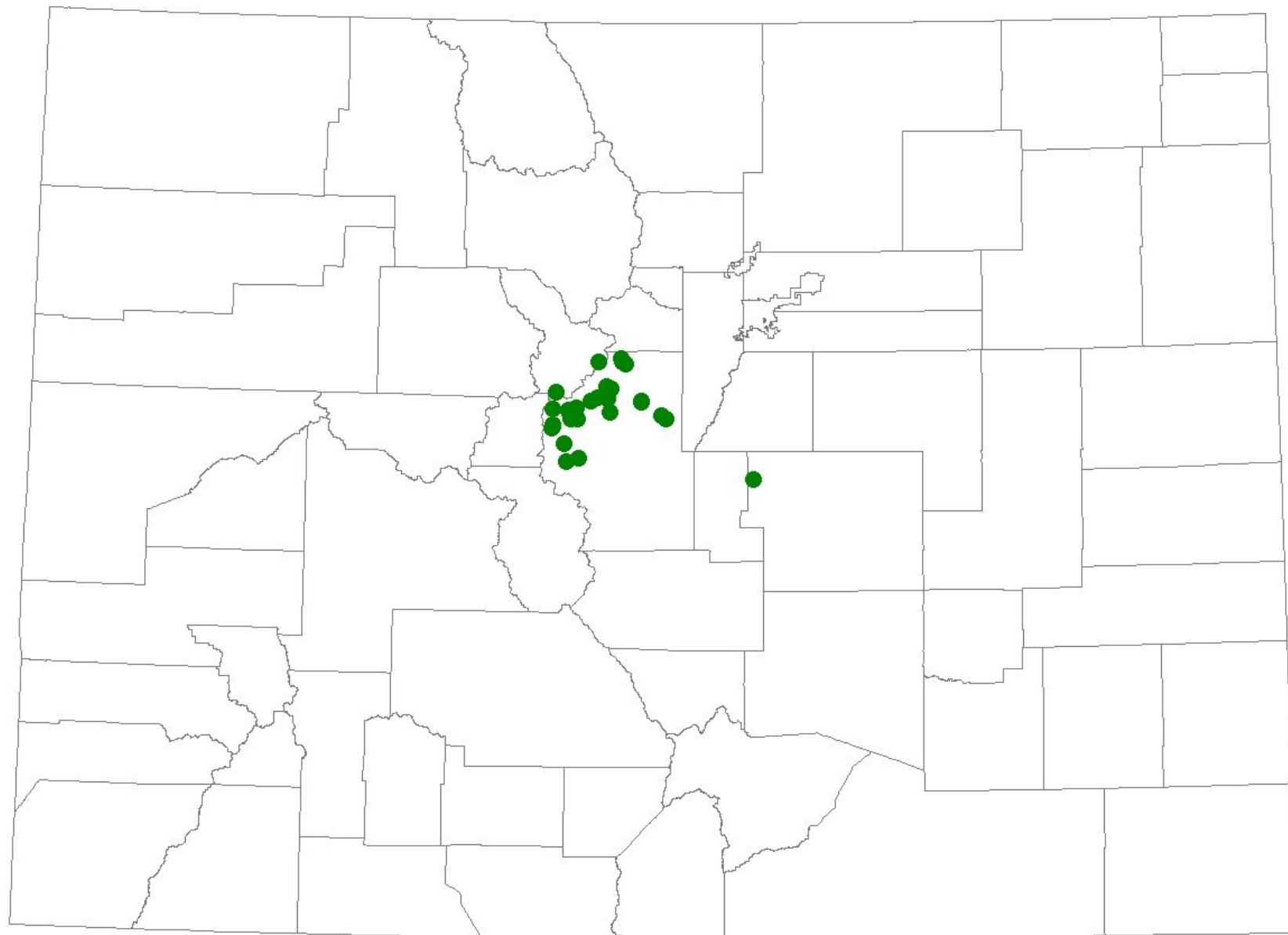


Ptilagrostis porteri
Porter's feathergrass

- Federal status: Petitioned
- Heritage ranks: G2/S2
- Global distribution: Colorado endemic

Ptilagrostis porteri
Porter's feathergrass

- Last observed: 2004
- Occurrences: 25
- Individuals: 408,000
- Primary threats: peat mining, ditching, overgrazing
- Land ownership/management: USFS, private









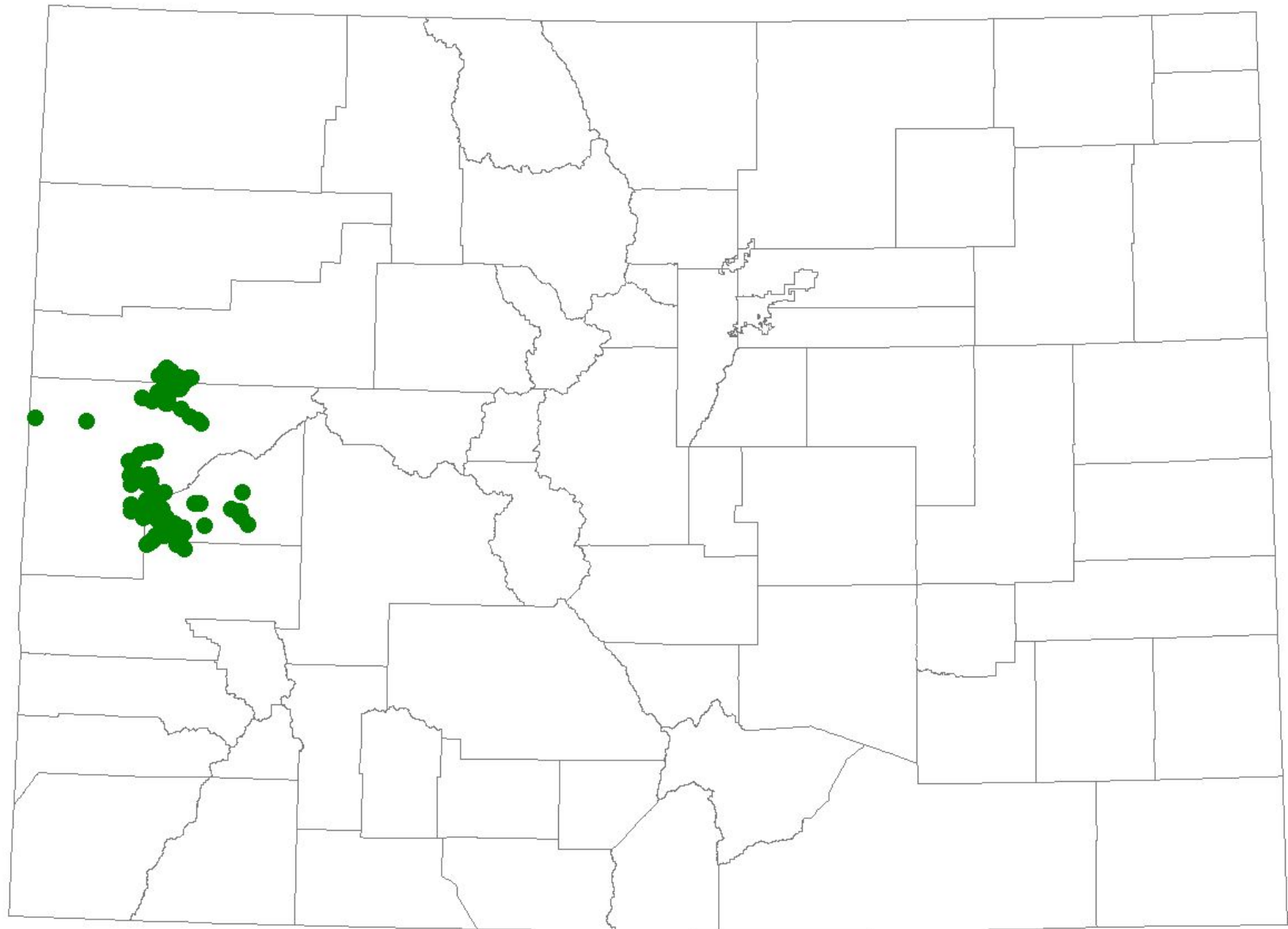


Sclerocactus glaucus
Uinta Basin hookless cactus

- Federal status: Threatened
- Heritage ranks: G3/S3
- Global distribution: Utah and Colorado

Sclerocactus glaucus
Uinta Basin hookless cactus

- 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







Sclero glauc
TMS R94W S25
NW NW



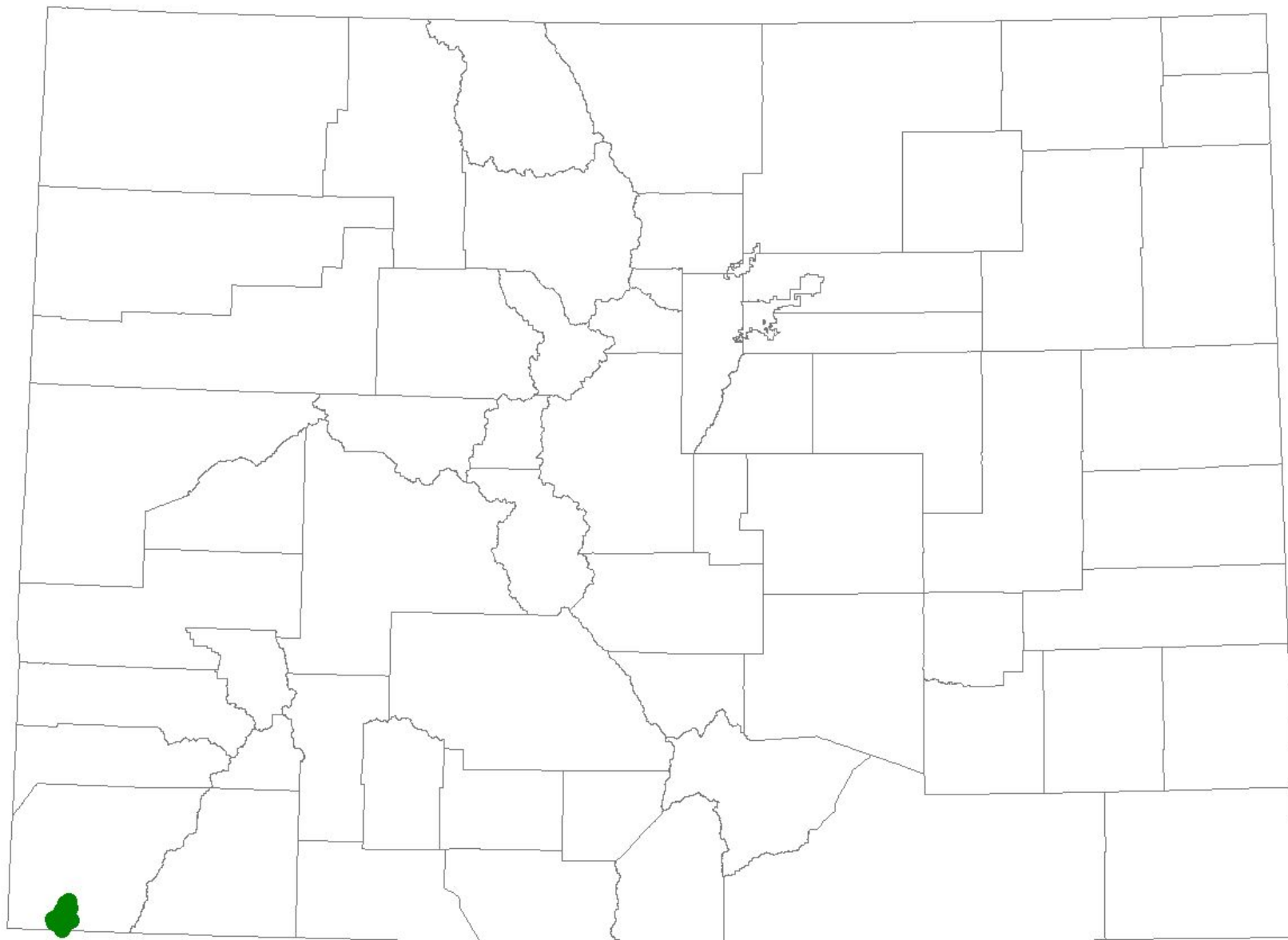
Sclerocactus mesae-verdae
Mesa Verde cactus

- Federal status: Threatened
- Heritage ranks: G2/S2
- Global distribution: New Mexico and Colorado

Sclerocactus mesae-verdae

Mesa Verde cactus

- Last observed in Colorado: 2004
- Colorado occurrences: 23
- Colorado individuals: 2,000-10,000
- Primary threats: cactus collecting, oil and gas development, ORV use
- Land ownership/management: Ute Mountain Ute









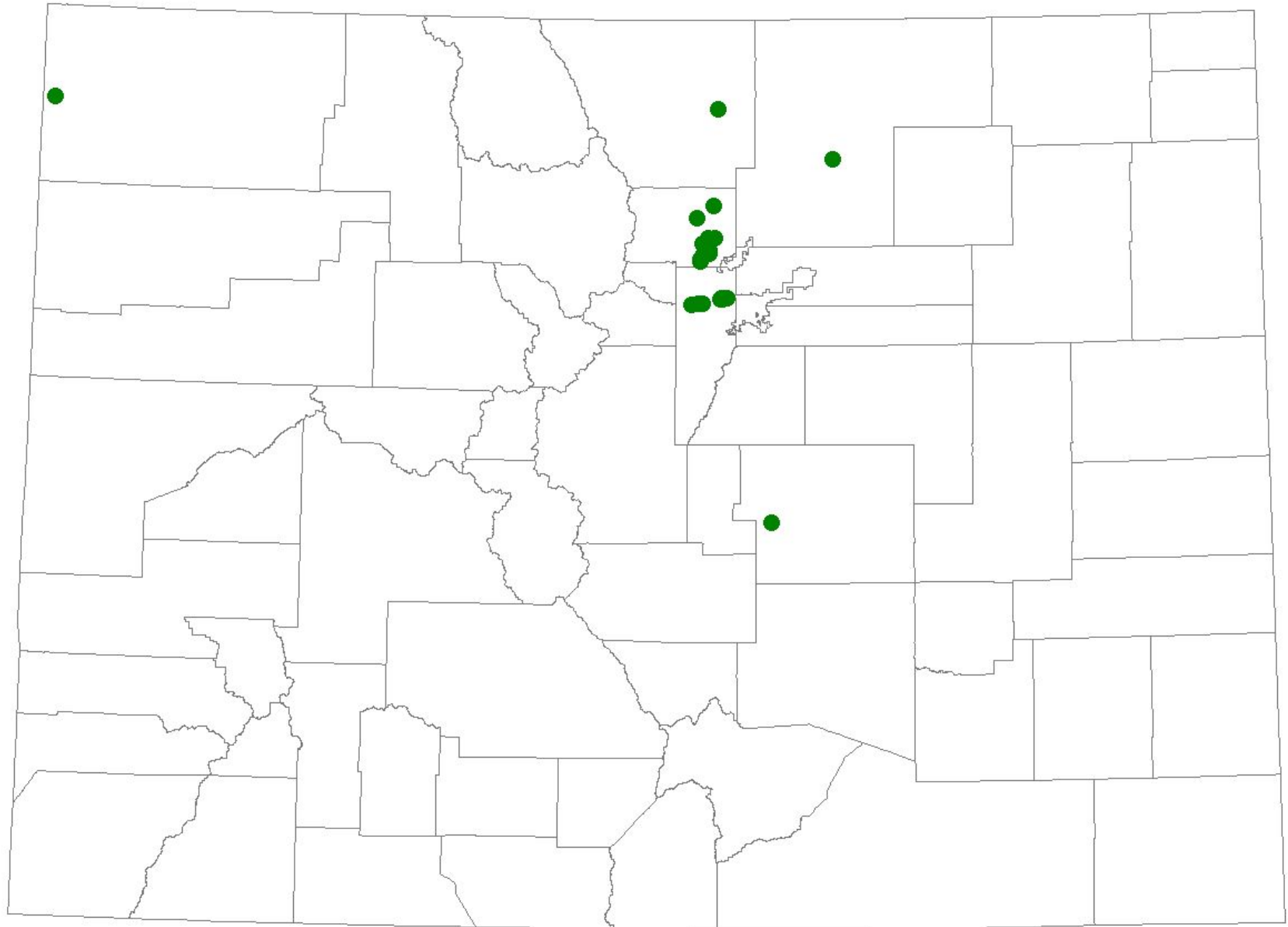
Spiranthes diluvialis
Ute ladies' tresses

- Federal status: Threatened
- Heritage ranks: G2/S2
- Global distribution: Washington, Idaho, Montana, Wyoming, Nevada, Utah, Nebraska, and Colorado

Spiranthes diluvialis

Ute ladies' tresses

- Last observed in Colorado: 2004
- Colorado occurrences: 17
- 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









All Colorado T, E, and C species

- The following map shows the distribution of all of the T, E, and C plant species presented above in relation to the Continental Divide and the major cities of Denver, Grand Junction, and Durango.

