Colorado Rare Plant Symposia
2006/2012
SE Colorado
G2G3 species
Land Ownership of G2G3 Plant Species of SE Colorado

- BLM
- Local Government
- NGO/Land Trust
- NPS
- Other Federal (BOR, FWS)
- Private
- State
- USFS
**Asclepias uncialis** ssp. *uncialess*  
Dwarf milkweed

- **Federal status**: BLM/USFS sensitive
- **Heritage ranks**: G3G4T2T3/S2
- **Global distribution**: Arizona, Texas, New Mexico, Wyoming, Oklahoma, Utah, and Eastern Colorado (Las Animas, Weld, Kit Carson, Huerfano, Pueblo, Otero, Prowers, Fremont, and El Paso counties)
- **Elevation range**: 3,880-7,730 ft.
- **Last observed in Colorado**: 2013
- **Colorado occurrences**: 38 (11 are historical or extirpated)
- **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, local government, NGO/land trust, federal, state, private, USFS
Asclepias uncialis ssp. uncialis
Cleome multicaulis = Peritoma multicaulis
Many-stemmed spider-flower

- **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)
- **Elevation range**: 7,480-8,190 ft.
- **Last observed in Colorado**: 2016
- **Colorado occurrences**: 40 (12 are historical)
- **Colorado individuals**: ~5,132,000
- **Primary threats**: draining of wetlands
- **Land ownership/management**: BLM, federal, NGO/land trust, NPS, state, private
Cleome multicaulis
**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)
- **Elevation range:** 10,850-14,255 ft.
- **Last observed in Colorado:** 2015
- **Colorado occurrences:** 11 (3 are historical)
- **Colorado individuals:** 100+
- **Primary threats:** Trampling from recreational activities
- **Land ownership/management:** private, USFS
Delphinium ramosum var. alpestre
Delphinium robustum
Wahatoya Creek larkspur

- Federal status: none
- Heritage ranks: G2G3/S2?
- Global distribution: New Mexico and Colorado (Huerfano, El Paso, Las Animas, Montezuma and Saguache counties)
- Elevation range: 7,000-8,600 ft.
- Last observed in Colorado: 2015
- Colorado occurrences: 7 – (4 are historical)
- Colorado individuals: 100
- 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, private
Delphinium robustum

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www.swcoloradowildflowers.com
Draba exunguiculata
Clawless draba

- **Federal status:** USFS sensitive
- **Heritage ranks:** G2/S2
- **Global distribution:** endemic to Colorado (Boulder, Chaffee, Clear Creek, El Paso, Gilpin, Grand, Lake, Park and Summit counties)
- **Elevation range:** 10,780-14,120 ft.
- **Last observed in Colorado:** 2016
- **Colorado occurrences:** 18 (8 are historical)
- **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:** local government, state, private, USFS
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)
- **Elevation range**: 10,630-14,350 ft.
- **Last observed in Colorado**: 2016
- **Colorado occurrences**: 27 (10 are historical)
- **Colorado individuals**: ~200
- **Primary threats**: Trampling from hikers and mountain goats, over-collection for gardens and global warming
- **Land ownership/management**: NPS, private, USFS
*Draba smithii*
Smith’s whitlow-grass

- **Federal status**: USFS sensitive
- **Heritage ranks**: G2/S2
- **Global distribution**: Colorado (Alamosa, Archuleta, Custer, Las Animas, Mineral, and Saguache counties), and NM
- **Elevation range**: 7,400-13,450 ft.
- **Last observed in Colorado**: 2009
- **Colorado occurrences**: 28 (6 are historical)
- **Colorado individuals**: ~3200
- **Primary threats**: Habitat modification from hiking and construction
- **Land ownership/management**: local government, NPS, private, USFS
Draba smithii
Frasera coloradensis
Colorado gentian

- **Federal status**: none
- **Heritage ranks**: G2G3/S2S3
- **Global distribution**: Colorado endemic; (Baca, Bent, Prowers, and Las Animas counties)
- **Elevation range**: 4070-5800 ft.
- **Last observed in Colorado**: 2016
- **Colorado occurrences**: 30 (3 are historical)
- **Colorado individuals**: 275,000
- **Primary threats**: wind energy, agriculture, and road maintenance
- **Land ownership/management**: NGO/land trust, private, state, USFS
Frasera coloradensis
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)
- **Elevation range**: 7,870-9,320 ft.
- **Last observed in Colorado**: 2010
- **Colorado occurrences**: 5 (2 historical)
- **Colorado individuals**: 500+
- **Primary threats**: unknown
- **Land ownership/management**: local government, private
Herrickia horrida
Nuttallia chrysantha = Mentzelia chrysantha
Golden blazing star

Conservation Action Plan

- **Federal status**: BLM sensitive
- **Heritage ranks**: G2/S2
- **Global distribution**: endemic to Colorado (Fremont, El Paso, and Pueblo counties)
- **Elevation range**: 4,750-6,850 ft.
- **Last observed in Colorado**: 2010
- **Colorado occurrences**: 26 (5 are historical)
- **Colorado individuals**: ~4100
- **Primary threats**: Grazing, quarry activities, and subdivision and road construction
- **Land ownership/management**: BLM, federal, state, private
Nuttallia chrysanthra
Nuttallia densa = Mentzelia densa
Arkansas Canyon stickleaf

- **Federal status**: BLM sensitive
- **Heritage ranks**: G2/S2
- **Global distribution**: endemic to Colorado (Fremont County)
- **Elevation range**: 4,750-6,850 ft.
- **Last observed in Colorado**: 2009
- **Colorado occurrences**: 16 (2 are historical)
- **Colorado individuals**: ~13,500
- **Primary threats**: Recreational development and road construction
- **Land ownership/management**: BLM, state, private
Nuttallia densa
*Oenothera harringtonii*
Arkansas Valley evening primrose

- **Federal status:** none
- **Heritage ranks:** G3/S3
- **Global distribution:** endemic to Colorado (El Paso, Fremont, Huerfano, Las Animas, Otero, and Pueblo counties)
- **Elevation range:** 4,130-6,450 ft.
- **Last observed in Colorado:** 2010
- **Colorado occurrences:** 62 (8 are historical)
- **Colorado individuals:** 12,000+
- **Primary threats:** Habitat loss due to urbanization, road development projects, and resource extraction activities, especially quarrying and surface mining
- **Land ownership/management:** BLM, local government, federal, state, private, USFS
Oenothera harringtonii
**Oonopsis foliosa var.**
**monocephala**
Rayless goldenweed

- **Federal status**: none
- **Heritage ranks**: G3G4T2/S2
- **Global distribution**: endemic to Colorado (Las Animas, Pueblo, and Fremont counties)
- **Elevation range**: 4,330-7,880 ft.
- **Last observed in Colorado**: 2009
- **Colorado occurrences**: 16 (4 are historical)
- **Colorado individuals**: 400,000+
- **Primary threats**: Maintenance on current roads or further developments may disturb or destroy individuals
- **Land ownership/management**: federal, state, private, USFS
Oonopsis foliosa var. monocephala
Oonopsis “puebloensis”
= Oonopsis sp. 1
Pueblo goldenweed

Conservation Action Plan

- **Federal status**: none
- **Heritage ranks**: G2/S2
- **Global distribution**: endemic to Colorado (El Paso, Fremont and Pueblo counties)
- **Elevation range**: 4,850-6,120 ft.
- **Last observed in Colorado**: 2009
- **Colorado occurrences**: 28
- **Colorado individuals**: ~11,000 or more
- **Primary threats**: Shale extraction by cement plants
- **Land ownership/management**: state, private
Oonopsis “puebloensis”
**Oxybaphus rotundifolius** = **Mirabilis rotundifolia**
Round-leaf four-o’clock

**Conservation Action Plan**

- **Federal status**: none
- **Heritage ranks**: G2/S2
- **Global distribution**: endemic to Colorado (Fremont, Las Animas, El Paso and Pueblo counties)
- **Elevation range**: 4,900-5,900 ft.
- **Last observed in Colorado**: 2009
- **Colorado occurrences**: 38 (2 are historical)
- **Colorado individuals**: ~6200
- **Primary threats**: Highly threatened by residential and recreational development
- **Land ownership/management**: BLM, federal, state, private
Oxybaphus rotundifolius
Penstemon degeneri
Degener beardtongue

- **Federal status:** USFS & BLM sensitive
- **Heritage ranks:** G2/S2
- **Global distribution:** endemic to Colorado (Chaffee, Custer and Fremont counties)
- **Elevation range:** 6,000-9,450 ft.
- **Last observed in Colorado:** 2016
- **Colorado occurrences:** 19 (2 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, private, state, USFS
Penstemon degeneri
Physaria calcicola
= Lesquerella calcicola
Rocky Mountain bladderpod

- **Federal status**: none
- **Heritage ranks**: G3/S3
- **Global distribution**: New Mexico and Colorado (Conejos, El Paso, Fremont, Huerfano, Las Animas, and Pueblo counties)
- **Elevation range**: 4,780-9,800 ft.
- **Last observed in Colorado**: 2013
- **Colorado occurrences**: 39 (8 are historical)
- **Colorado individuals**: 24,000
- **Primary threats**: This species occurs in areas that are experiencing rapid development pressures
- **Land ownership/management**: BLM, local government, federal, state, private
**Ptilagrostis porteri**
Porter feathergrass

- **Federal status**: USFS sensitive
- **Heritage ranks**: G2/S2
- **Global distribution**: Colorado (El Paso, Lake, Park and Summit counties); northern NM
- **Elevation range**: 9,070-12,470 ft.
- **Last observed in Colorado**: 2011
- **Colorado occurrences**: 28 (5 are 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**: NGO/land trust, private, USFS
Ptilagrostis porteri
Telesonix jamesii
James’ telesonix

- Federal status: none
- Heritage ranks: **G2G3/S2**
- Global distribution: New Mexico and Colorado (El Paso, Jefferson, Larimer, Park, and Teller counties); 6700-13,700 ft.
- Elevation range: 6,745-13,730 ft.
- Last observed in Colorado: 2016
- Colorado occurrences: 32 (5 are historical)
- Colorado individuals: ~20,000
- Primary threats: Motorized and non-motorized recreation, trail or road construction and maintenance, invasive species introduction, and horticultural collection
- Land ownership/management: BLM, NGO/land trust, NPS, state, private, USFS
Telesonix jamesii
Land Ownership of G2G3 Plant Species of NE Colorado
Aletes humilis
Larimer aletes

- Federal status: None
- **Heritage ranks:** G2G3/S2S3
- **Global distribution:** 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.
- **Land ownership/management:** CDOW, local government, NGO/land trust, private, USFS
Aletes humilis
**Aletes nuttallii** = **Lomatium nuttallii**

Nuttall's desert-parsley

- **Federal status:** None
- **Heritage ranks:** G3/S1
- **Global distribution:** Montana, Wyoming, Nebraska, South Dakota (historical), Colorado (Grand and Weld counties).
- **Elevation range:** 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
- **Global distribution:** Colorado (Boulder, Clear Creek, El Paso, Gilpin, Jackson, Jefferson, Lake, Larimer, Mesa, Park, Pueblo, San Juan, Summit, and Teller counties).
- **Elevation range:** 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
- **Land ownership/management:** local government, NGO/land trust, NPS, state, private, USFS
Aquilegia saximontana
Astragalus sparsiflorus
Front Range milk-vetch

- Federal status: None
- Heritage ranks: G2/S2
- Elevation range: 5,510-9,220 ft.
- Last observed in Colorado: 2010
- Colorado occurrences: 13 (2 are historical)
- Colorado individuals: 330+
- Primary threats: recreation
- Land ownership/management: 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)
- **Elevation range:** 5,500-5,820 ft.
- **Last observed in Colorado:** 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

- **Federal status**: None
- **Heritage ranks**: G3/S2
- **Global distribution**: Arizona, New Mexico, Wyoming, Colorado (Boulder, Conejos, Custer, El Paso, Fremont, Gilpin, Park, and Teller counties).
- **Elevation range**: 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
- **Land ownership/management**: BLM, local government, federal, NPS, private, USFS
**Draba globosa**
**Rockcress draba**

- **Federal status:** None
- **Heritage ranks:** G3/S1
- **Global distribution:** Idaho, Montana, Utah, Wyoming, Colorado (Clear Creek, Gunnison, Lake, Pitkin, and Summit counties).
- **Elevation range:** 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
- **Global distribution**: 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
Draba streptobrachia
**Eriogonum exilifolium**
Dropleaf wild buckwheat

- **Federal status**: USFS sensitive
- **Heritage ranks**: G3/S2
- **Global distribution**: Wyoming, Colorado (Grand, Jackson, and Larimer counties).
- **Elevation range**: 7,820-8,770 ft.
- **Last observed in Colorado**: 2015
- **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

- **Federal status**: None
- **Heritage ranks**: G3/S3
- **Global distribution**: Wyoming and Colorado (Boulder, Clear Creek, El Paso, Larimer, Teller, and Weld counties).
- **Elevation range**: 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
- **Land ownership/management**: local government, NGO/land trust, federal, private, USFS
Nuttallia sinuata
Nuttallia (Mentzelia) speciosa
Jeweled blazingstar

- **Federal status**: None
- **Heritage ranks**: G3/S3
- **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
- **Land ownership/management**: 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).
- **Elevation range**: 7,830-7,850 ft.
- **Last observed in Colorado**: August 2004
- **Colorado occurrences**: 1
- **Colorado individuals**: 300+
- **Primary threats**: incompatible grazing
- **Land ownership/management**: BLM, private
Oönopsis wardii
**Phacelia denticulata**
Rocky Mountain phacelia

- **Federal status**: None
- **Heritage ranks**: G3/SU
- **Elevation range**: 7,470-8,720 ft.
- **Last observed in Colorado**: 2016
- **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

- Federal status: None
- Heritage ranks: G2G3/S2S3
- Global distribution: Colorado endemic (Boulder and Larimer counties). Jefferson and El Paso County records annotated to a different species.
- Elevation range: 5,090-6,550 ft.
- Last observed in Colorado: 2016
- 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
Physaria bellii
Potentilla ambigens
Southern Rocky Mountain cinquefoil

- Federal status: None
- Heritage ranks: G3/S2
- Elevation range: 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, flooding
- Land ownership/management: local government, federal, NPS, state, private, USFS
Potentilla ambigens
**Potentilla rupincola**  
**Rocky Mountain cinquefoil**

- **Federal status:** USFS Sensitive
- **Heritage ranks:** G2/S2
- **Global distribution:** Colorado endemic. Boulder, Clear Creek, Larimer, and Park counties. Historically from Gilpin county.
- **Elevation range:** 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.
- **Land ownership/management:** 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).
- **Elevation range**: 6,320-9,710 ft.
- **Last observed in Colorado**: 2016
- **Colorado occurrences**: 52 (10 are historical)
- **Colorado individuals**: 11,000
- **Primary threats**: road work, residential development, grazing, peat mining, and recreational activities.
- **Land ownership/management**: BLM, local government, NGO/land trust, NPS, state, private, USFS
Sisyrinchium pallidum