

# Level 4 Potential Conservation Area (PCA) Report

Name Turkey Mountain

Site Code S.USCOHP\*077

## IDENTIFIERS

Site ID 698 Site Class PCA  
Site Alias None

### Network of Conservation Areas (NCA)

<u>NCA Site ID</u>	<u>NCA Site Code</u>	<u>NCA Site Name</u>
2467	S.USCOHP*27036	Pagosa Springs

## LOCATORS

Nation United States Latitude 371058N  
State Colorado Longitude 1065707W

Quad Code Quad Name  
37106-B8 Serviceberry Mountain

County  
Archuleta (CO)

Watershed Code Watershed Name  
14080101 Upper San Juan

## SITE DESCRIPTION

Minimum Elevation	7,400.00 Feet	2,256.00 Meters
Maximum Elevation	7,858.00 Feet	2,395.00 Meters

### Site Description

This site includes the gentle slopes of Turkey Mountain, on soils derived from the Mancos shale formation. Dominant vegetation includes ponderosa pine (*Pinus ponderosa*), Gambel oak (*Quercus gambelii*) and flat meadow openings. Other common species include Oregon grape (*Mahonia repens*), serviceberry (*Amelanchier alnifolia*), orange sneezeweed (*Dugaldia hoopsii*), western wheatgrass (*Pascopyrum smithii*), redroot buckwheat (*Eriogonum racemosum*), yarrow (*Achillea lanulosa*), Louisiana sagewort (*Artemisia ludoviciana*), and yucca (*Yucca harrimanniae*). Four rare plant species were observed along Eight Mile Mesa Road, which runs through the site, in 2001 and 2002. Pagosa bladderpod (*Lesquerella pruinoso*) and Missouri milkvetch (*Astragalus missouriensis* var. *humistratus*) were growing together in disturbed areas just off an unmapped spur road, while Pagosa phlox (*Phlox caryophylla*) was found on the sparsely vegetated roadside. Gray's townsend-daisy (*Townsendia glabella*) was found on a west-facing hillside, in barren shale areas within the ponderosa pine forest, with hairy golden aster (*Heterotheca villosa*).

### Key Environmental Factors

No Data

### Climate Description

No Data

### Land Use History

No Data

### Cultural Features

No Data

## SITE DESIGN

Site Map P - Partial Mapped Date 02/15/2002  
Designer Lyon, M.J.

### Boundary Justification

The boundary encompasses occurrences of four rare plants and adjacent suitable habitat, as well as providing a buffer that will allow for expansion of the populations over time.

Primary Area 2,101.63 Acres 850.50 Hectares

## SITE SIGNIFICANCE

Biodiversity Significance Rank B2: Very High Biodiversity Significance

### Biodiversity Significance Comments

This site supports an excellent (A-ranked) occurrence of Gray's townsend-daisy (*Townsendia glabella*), a plant that is globally imperiled (G2/S2), and a good (B-ranked) occurrence of the globally imperiled (G2/S2)

# Level 4 Potential Conservation Area (PCA) Report

Name Turkey Mountain

Site Code S.USCOHP\*077

Pagosa bladderpod (*Lesquerella pruinos*). It also contains a good (B-ranked) occurrence of a globally critically imperiled variety (G5T1/S1) of Missouri milkvetch (*Astragalus missouriensis* var. *humistratus*), and a good (B-ranked) occurrence of Pagosa phlox (*Phlox caryophylla*), which is vulnerable in Colorado (G4/S3). Gray's townsend-daisy is endemic to Montezuma, La Plata and Archuleta counties, Colorado. Most occurrences have no information as to abundance; this occurrence is the largest one known.

Other Values Rank No Data

## Other Values Comments

No Data

## LAND MANAGEMENT ISSUES

### Land Use Comments

No Data

### Natural Hazard Comments

No Data

### Exotics Comments

Exotic species observed at the site were smooth brome (*Bromus inermis*), Canada thistle (*Cirsium arvense*), alfalfa (*Medicago sativa*), yellow sweet clover (*Melilotus officinalis*), salsify (*Tragopogon dubius*), Kentucky bluegrass (*Poa pratensis*) and dandelion (*Taraxacum officinalis*).

### Offsite

No Data

### Information Needs

Further surveys during the flowering season (April and May) of the Pagosa phlox could reveal that the population is more extensive.

## ASSOCIATED ELEMENTS OF BIODIVERSITY

Element			Global	State	Driving
State ID	State Scientific Name	State Common Name	Rank	Rank	Site Rank
18927	<i>Lesquerella pruinos</i>	Pagosa bladderpod	G2	S2	Yes
20834	<i>Townsendia glabella</i>	Gray's townsend-daisy	G2	S2	Yes
18375	<i>Phlox caryophylla</i>	Pagosa phlox	G4	S3	No
22922	<i>Astragalus missouriensis</i> var. <i>humistratus</i>	Missouri milkvetch	G5T1	S1	No

## REFERENCES

Reference ID	Full Citation
166839	Lyon, P. 2001. Colorado Natural Heritage Program Field Surveys.

## ADDITIONAL TOPICS

### Additional Topics

No Data

## VERSION

Version Date	02/15/2003
Version Author	Lyon, M.J.

## Disclaimer

# Level 4 Potential Conservation Area (PCA) Report

Name Turkey Mountain

Site Code S.USCOHP\*077

These data are a product and property of Colorado State University, Colorado Natural Heritage Program (CNHP). These data are strictly "on loan" and should be considered "works in progress". Data maintained in the Colorado Natural Heritage Program database are an integral part of ongoing research at CSU and reflect the observations of many scientists, institutions and our current state of knowledge. These data are acquired from various sources, with varying levels of accuracy, and are continually being updated and revised. Many areas have never been surveyed and the absence of data in any particular geographic area does not necessarily mean that species or ecological communities of concern are not present. These data should not be regarded as a substitute for on-site surveys required for environmental assessments. Absence of evidence is NOT evidence of absence. Absence of any data does not mean that other resources of special concern do not occur, but rather CNHP files do not currently contain information to document this presence. CNHP is not responsible for whether other, non-CNHP data providers have secured landowner permission for data collected.

**These data are provided for non-commercial purposes only.** Under no circumstances are data to be distributed in any fashion to outside parties. To ensure accurate application of data, tabular and narrative components must be evaluated in conjunction with spatial components. Failure to do so constitutes a misuse of the data. The Colorado Natural Heritage Program shall have no liability or responsibility to the data users, or any other person or entity with respect to liability, loss, or damage caused or alleged to be caused directly or indirectly by the data, including but not limited to any interruption of service, loss of business, anticipatory profits or indirect, special, or consequential damages resulting from the use of operation of the data. Data users hereby agree to hold CNHP, Colorado State University, and the State of Colorado harmless from any claim, demand, cause of action, loss, damage or expense from or related to data users use of or reliance on the data, regardless of the cause or nature thereof, and even in the event that such cause is attributable to the negligence or misconduct of CNHP.

These data are provided on an as-is basis, as-available basis without warranties of any kind, expressed or implied, INCLUDING (BUT NOT LIMITED TO) WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. Although CNHP maintains high standards of data quality control, CNHP, Colorado State University, and the State of Colorado further expressly disclaim any warranty that the data are error-free or current as of the date supplied