

# Level 4 Potential Conservation Area (PCA) Report

Name Ruby Mountain

Site Code S.USCOHP\*27555

## IDENTIFIERS

Site ID 2564 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>
-		No Data

## LOCATORS

Nation United States Latitude 384503N  
State Colorado Longitude 1060329W

### Quad Code Quad Name

38106-G1 Buena Vista East  
38106-F1 Nathrop

### County

Chaffee (CO)

### Watershed Code Watershed Name

11020001 Arkansas Headwaters

## SITE DESCRIPTION

Minimum Elevation	7,800.00 Feet	2,377.44 Meters
Maximum Elevation	8,413.00 Feet	2,564.28 Meters

### Site Description

Ruby Mountain site is located within the Arkansas Hills, part of the Sawatch uplift (Chronic and Williams 2002). Ruby Mountain itself is made up of rhyolite. On Ruby Mountain and Sugarloaf, one can find garnets and obsidian that formed in gas cavities in the rhyolite flow (Chronic and Williams 2002). The vegetation is typical pinon pine (*Pinus edulis*) with mountain mahogany (*Cercocarpus montanus*) and rabbitbrush (*Chrysothamnus nauseosus*). The Colorado endemic Front Range alum-root (*Heuchera hallii*) occurs within the site.

### Key Environmental Factors

No Data

### Climate Description

The site receives an average of 300 days of sunshine each year. A typical summer day is sunny, in the high 70's to low 80's with evening temperatures in the high 40's and low 50's. Annual rainfall is 10.15" and annual snowfall is 30.4" with most snow occurring from the end of October through April.

### Land Use History

No Data

### Cultural Features

No Data

## SITE DESIGN

Site Map Y - Yes Mapped Date 01/06/2009  
Designer Culver, D.R.

### Boundary Justification

The boundary captures the known populations of rare plants as well as potential habitat.

Primary Area 1,244.80 Acres 503.76 Hectares

## SITE SIGNIFICANCE

Biodiversity Significance Rank B2: Very High Biodiversity Significance

### Biodiversity Significance Comments

This site supports a good (B-ranked) occurrence of the globally imperiled (G2/S2) Fendler's townsend-daisy (*Townsendia fendleri*), a fair (C-ranked) occurrence of the globally vulnerable (G3/S3) Fendler cloak-fern (*Argyrochosma fendleri*), and an extant occurrence of the state imperiled (G4/S1) livemore fiddleleaf (*Nama dichotomum*).

Other Values Rank No Data

# Level 4 Potential Conservation Area (PCA) Report

Name Ruby Mountain

Site Code S.USCOHP\*27555

## Other Values Comments

No Data

## LAND MANAGEMENT ISSUES

## Land Use Comments

No Data

## Natural Hazard Comments

No Data

## Exotics Comments

No Data

## Offsite

No Data

## Information Needs

No Data

## ASSOCIATED ELEMENTS OF BIODIVERSITY

<u>Element</u>			<u>Global</u>	<u>State</u>	<u>Driving</u>
<u>State ID</u>	<u>State Scientific Name</u>	<u>State Common Name</u>	<u>Rank</u>	<u>Rank</u>	<u>Site Rank</u>
24246	<i>Argyrochosma fendleri</i>	Fendler cloak-fern	G3	S3	No
21162	<i>Nama dichotomum</i>	livemore fiddleleaf	G4	S1	No
17481	<i>Townsendia fendleri</i>	Fendler's townsend-daisy	G2	S2	Yes

## REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
198295	Chronic, H. and F. Williams. 2002. Roadside Geology of Colorado. Second Edition. Mountain Press Publishing Company. Missoula, MT.
198290	Culver, D.R., D. Malone, S.L. Neid, and J. Handwerk. 2009. Final Report: Survey of Critical Biological Resources in Chaffee County. Colorado Natural Heritage Program, Fort Collins, CO.

## ADDITIONAL TOPICS

## Additional Topics

No Data

## VERSION

<b>Version Date</b>	01/16/2009
<b>Version Author</b>	Culver, D.R.

## Disclaimer

# Level 4 Potential Conservation Area (PCA) Report

Name Ruby Mountain

Site Code S.USCOHP\*27555

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