

# Level 4 Potential Conservation Area (PCA) Report

Name Black Mountain

Site Code S.USCOHP\*5021

## IDENTIFIERS

Site ID 1934 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 384233N  
State Colorado Longitude 1054153W

Quad Code Quad Name  
38105-F6 Black Mountain

County  
Park (CO)

Watershed Code Watershed Name  
11020001 Arkansas Headwaters

## SITE DESCRIPTION

Minimum Elevation	9,900.00 Feet	3,018.00 Meters
Maximum Elevation	12,000.00 Feet	3,658.00 Meters

### Site Description

This is an isolated mountain in South Park. Ancient bristlecone pine (*Pinus aristata*), some over 2,000 years old, grow on the mountain's steep scree slopes (Brunstein and Yamaguchi 1992). This site is 1,800 acres of contiguous *P. aristata* forest, with *P. aristata* forests growing between 3,010 and 3,374m. It is the only site to contain the *Ribes montigenum* plant association, and also contains the *Pinus aristata*/*Festuca thurberi* association.

### Key Environmental Factors

elevation, soil pH

### Climate Description

No Data

### Land Use History

No Data

### Cultural Features

No Data

## SITE DESIGN

Site Map P - Partial Mapped Date 05/01/1996  
Designer Ranne, B.

### Boundary Justification

The boundary encompasses the occurrence from the ridgetop down to the lower elevation limits of the stand and includes a lower buffer delineated by Ranne and Baker 1995 as the proposed Research Natural Area boundary. Most large scale ecological processes will not be incorporated by this boundary.

Primary Area 1,121.97 Acres 454.05 Hectares

## SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

### Biodiversity Significance Comments

This site contains an excellent (A-ranked) occurrence of a globally vulnerable (G3) plant community.

Other Values Rank No Data

### Other Values Comments

No Data

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## 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 Rank</u>	<u>State Rank</u>	<u>Driving Site Rank</u>
<u>State ID</u>	<u>State Scientific Name</u>	<u>State Common Name</u>			
19228	<i>Danthonia parryi</i> Herbaceous Vegetation	Montane Grasslands	G3	S3	No
24589	<i>Pinus aristata</i> / <i>Festuca thurberi</i> Woodland	Lower Montane Woodlands	G5	S2	No
24726	<i>Pinus aristata</i> / <i>Ribes montigenum</i> Woodland	Upper Montane Woodlands	G3	S1	Yes

## REFERENCES

### Reference ID

### Full Citation

165206

Ranne, B. M., and W. L. Baker. 1995. Potential Natural Research Areas for bristlecone pine (*Pinus aristata* Engelm.) forests in Colorado. Unpublished report prepared for the U.S. Forest Service - Rocky Mountain forest and Range Experiment Station, Ft. Collins, CO. 23 pp.

## ADDITIONAL TOPICS

### Additional Topics

No Data

## VERSION

Version Date 02/15/2001

Version Author Spackman, S.C.

## Disclaimer

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