

Level 4 Potential Conservation Area (PCA) Report

Name Jefferson Hill

Site Code S.USCOHP*21684

IDENTIFIERS

Site ID 1815 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 392719N
State Colorado Longitude 1054850W

<u>Quad Code</u>	<u>Quad Name</u>
39105-D6	Mount Logan
39105-D7	Jefferson
39105-D8	Boreas Pass

County

Park (CO)

<u>Watershed Code</u>	<u>Watershed Name</u>
10190001	South Platte Headwaters
10190002	Upper South Platte

SITE DESCRIPTION

Minimum Elevation	9,200.00	Feet	2,804.00	Meters
Maximum Elevation	12,000.00	Feet	3,658.00	Meters

Site Description

This site contains one of the largest (3,630 acres) bristlecone pine (*Pinus aristata*) forests ever documented. It spans a considerable range of *Pinus aristata* habitats, including the erect, lower-elevation trees, the twisted, ancient trees of the upper elevations, and the dwarfed trees of the ridge tops. Both the *Pinus aristata* / *Festuca thurberi* and *Pinus aristata* / *Trifolium dasyphyllum* plant associations were identified at this site. Some bristlecone pine areas here also have understories dominated by *Vaccinium myrtillus*. Patches of bristlecone pine forests disturbed by fire and snow avalanches are included within the site. Also included in the site is a narrow riparian corridor winding steeply through a spruce - lodgepole - aspen forest with sparse, but diverse moss and graminoid ground cover. This area is virtually pristine with no livestock grazing or other anthropogenic disturbances noted.

Key Environmental Factors

No Data

Climate Description

No Data

Land Use History

No Data

Cultural Features

No Data

SITE DESIGN

Site Map Y - Yes Mapped Date 12/07/2000
Designer Culver, D.R.

Boundary Justification

These boundaries were developed primarily for the vast bristle cone pine forest occurrences, plus additional areas large enough to employ management techniques that mimic the historic natural disturbance process of fire. Hydrological processes originating outside of the planning boundary, including water quality, quantity, timing and flow must be managed to maintain site viability.

Primary Area	19,709.50	Acres	7,976.18	Hectares
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SITE SIGNIFICANCE

Biodiversity Significance Rank B2: Very High Biodiversity Significance

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Biodiversity Significance Comments

This site encompasses two very large occurrences (>2,000 acres) of excellent (A-ranked) bristle cone pine forest communities, one of which is globally imperiled (G2/S2), and three excellent occurrences of riparian forest occurrences.

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

Large patches of dandelions were noted as occurring along the roadside during the 1996 site visit.

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>
24585	<i>Salix monticola</i> / Mesic Graminoids Shrubland	Montane Riparian Willow Carr	G3	S3	No
24589	<i>Pinus aristata</i> / <i>Festuca thurberi</i> Woodland	Lower Montane Woodlands	G5	S2	No
24836	<i>Salix planifolia</i> / <i>Caltha leptosepala</i> Shrubland	Subalpine Riparian Willow Carr	G4	S4	No
24813	<i>Populus tremuloides</i> / <i>Lonicera involucrata</i> Forest	Montane Riparian Forests	G3	S3	No
24835	<i>Pinus aristata</i> / <i>Trifolium dasyphyllum</i> Woodland	Upper Montane Woodlands	G2	S2	Yes

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
-	No Data

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date 12/07/2000

Version Author Culver, D.R.

Disclaimer

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