

Level 4 Potential Conservation Area (PCA) Report

Name Fourmile Creek at Annie Mine

Site Code S.USCOHP*27715

IDENTIFIERS

Site ID 2615 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 385511N
State Colorado Longitude 1060810W

Quad Code Quad Name

38106-H1 Marmot Peak
38106-H2 Harvard Lakes

County

Chaffee (CO)

Watershed Code Watershed Name

11020001 Arkansas Headwaters

SITE DESCRIPTION

Minimum Elevation	8,580.00 Feet	2,615.18 Meters
Maximum Elevation	9,200.00 Feet	2,804.16 Meters

Site Description

Fourmile Creek at Annie Mine is located in the upper Arkansas Valley north of Buena Vista. The Arkansas River runs parallel to the western boundary, Fourmile Creek bisects the site and the Buffalo Peaks rise up to the north. The geology of the area consists of granitic rocks and glacial outwash from the Sawatch Range to the west. The site's vegetation is pinon pine (*Pinus edulis*), one-seeded juniper (*Juniperus monosperma*), mountain mahogany (*Cercocarpus montanus*), oceanspray (*Holodiscus discolor*), and gooseberry (*Ribes cereum*). The Colorado endemic Front Range alum-root (*Heuchera hallii*) occurs within the site.

Key Environmental Factors

No Data

Climate Description

Average 300 days of sunshine each year. A typical summer day is sunny, in the high 70's to low 80's and 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 03/05/2009

Designer Culver, D.R.

Boundary Justification

Boundary is drawn to capture the elements and provide a buffer from threats and potential habitat for seed dispersal.

Primary Area 2,871.94 Acres 1,162.24 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

Biodiversity Significance Comments

This site supports a good (B-ranked) occurrence of the globally vulnerable (G3/S3) Fendler cloak-fern (*Argyrochosma fendleri*), a regional endemic that also occurs in New Mexico and Wyoming. There is also a fair (C-ranked) occurrence of the globally imperiled (G2/S2) Crandall's rock-cress (*Boechea crandallii*),

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another regional endemic documented only from west-central Colorado and southwestern Wyoming. Lastly, the globally vulnerable (G3?/S3?), regional endemic, jeweled blazingstar (*Nuttallia speciosa*) has also been documented.

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

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	Yes
23148	<i>Boechea crandallii</i>	Crandall's rock-cress	G2	S2	Yes
21549	<i>Nuttallia speciosa</i>	jeweled blazingstar	G3	S3	No

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
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

Version Date 03/05/2009

Version Author Culver, D.R.

Disclaimer

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