

Level 4 Potential Conservation Area (PCA) Report

Name Harrington Gulch

Site Code S.USCOHP1*2043

IDENTIFIERS

Site ID 1618 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 383246N
State Colorado Longitude 1060343W

Quad Code Quad Name
38106-E1 Salida West

County
Chaffee (CO)

Watershed Code Watershed Name
11020001 Arkansas Headwaters

SITE DESCRIPTION

Minimum Elevation	7,200.00 Feet	2,194.56 Meters
Maximum Elevation	7,600.00 Feet	2,316.48 Meters

Site Description

The Harrington Gulch site is located north of Salida and east of Highway 285 in Adobe Park. Adobe Park was one of the first areas in Chaffee County to be settled in 1868. The site consists of sparsely vegetated hills of the Dry Union Formation (Tweto 1979). The soils are light-colored (buff), fine, and highly erodible. Vegetation is dominated by pinon pine (*Pinus edulis*), mountain mahogany (*Cercocarpus montanus*), one-seeded juniper (*Juniperus monosperma*), blue grama (*Bouteloua gracilis*), prickly pear (*Opuntia polyacantha*), and Indian rice grass (*Oryzopsis hymenoides*).

Key Environmental Factors

The Brandegeee wild buckwheat (*Eriogonum brandegeei*) and Arkansas River feverfew (*Bolophyta tetraneuris*) are likely long-lived perennials with episodic recruitment which is likely related to moisture and temperature. It occurs on steep, eroding slopes with fine-textured soils.

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 P - Partial Mapped Date 01/13/2009
Designer Culver, D.R.

Boundary Justification

Boundary is drawn to protect the occurrences from direct impacts from surface disturbances. A buffer is included to provide the plants with suitable habitat where additional individuals can become established over time.

Primary Area 950.02 Acres 384.46 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B2: Very High Biodiversity Significance

Biodiversity Significance Comments

The biodiversity rank is based on a good (B-ranked) occurrence of a globally critically imperiled

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(G1G2/S1S2) plant species, Brandegeee wild buckwheat (*Eriogonum brandegeei*). Other significant plant occurrences in the site include a fair (C-ranked) example of the globally imperiled (G2/S2) Fendler's townsend-daisy (*Townsendia fendleri*) and a fair (C-ranked) example of the globally vulnerable (G3/S3) Barneby's fever-few (*Bolophyta tetraeuris*).

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

CNHP was not able to obtain private landowner access to update occurrences for *Eriogonum brandegeei* or *Bolophyta tetraeuris*. The *Townsendia fendleri* was documented on road right of way adjacent private lands.

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>
21173	<i>Eriogonum brandegeei</i>	Brandegee wild buckwheat	G1G2	S1S2	Yes
20399	<i>Bolophyta tetraeuris</i>	Barneby's fever-few	G3	S3	No
17481	<i>Townsendia fendleri</i>	Fendler's townsend-daisy	G2	S2	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.
192747	Tweto, O. 1979. Geologic Map of Colorado, 1:500,000. United States Geological Survey, Department of Interior, and Geologic Survey of Colorado, Denver, CO.

ADDITIONAL TOPICS

Additional Topics

Original site design by Spackman, S.C. 1997-04-28.

VERSION

Version Date 01/13/2009
Version Author Culver, D.R.

Disclaimer

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