

Level 4 Potential Conservation Area (PCA) Report

Name King Gulch

Site Code S.USCOHP*211

IDENTIFIERS

Site ID 1363 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 383042N
State Colorado Longitude 1060116W

Quad Code Quad Name

38106-E1 Salida West

County

Chaffee (CO)

Watershed Code Watershed Name

11020001 Arkansas Headwaters

SITE DESCRIPTION

Minimum Elevation	7,280.00 Feet	2,218.94 Meters
Maximum Elevation	7,760.00 Feet	2,365.25 Meters

Site Description

This site is comprised of steep, largely barren slopes that have formed a bowl at the toeslope on the north face of the Sangre de Cristo range south of Salida. The rim of the bowl and slopes above it have pinon - juniper woodland and limited residential and commercial development. The bowl is exposed Dry Union Formation, which is poorly consolidated siltstone, sandstone, conglomerate, and breccia with small amounting of silty and laminated shale (Wallace et al. 1997). The steep sides of the bowl are sparsely vegetated in most areas. Within the bowl are narrow shoulders of conglomerate materials and silty soils (badlands) that descend to the valley bottom. Pinon pine (*Pinus edulis*) and mountain mahogany (*Cercocarpus montanus*) grow sporadically over diverse, but sparse understory of graminoids and forbs. Narrow, sinuous washes form in the bottom from the steep drainages above.

Key Environmental Factors

Clay soils derived from Dry Union Formation.

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

There is a radio tower and requisite infrastructure at the upper edge.

Cultural Features

No Data

SITE DESIGN

Site Map Y - Yes Mapped Date 03/09/2007

Designer Neid, S.L.

Boundary Justification

Boundary is drawn to protect the occurrence from direct impacts, and to provide the plants with suitable habitat where additional individuals can become established over time.

Primary Area 183.91 Acres 74.43 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B2: Very High Biodiversity Significance

Biodiversity Significance Comments

The site supports a good to excellent (AB-ranked) occurrence of the globally imperiled (G2/S2) Fendler's

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townsend-daisy (*Townsendia fendleri*) and a good to excellent (AB-ranked) occurrence of the globally vulnerable (G3/S3) rock-loving neoparrya (*Aletes lithophilus*).

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>
22904	<i>Aletes lithophilus</i>	rock-loving neoparrya	G3	S3	No
17481	<i>Townsendia fendleri</i>	Fendler's townsend-daisy	G2	S2	Yes

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.
194663	Neid, S.L. 2007. Final Report: Rare Plant Survey of Select Bureau of Land Management Lands in the Arkansas River Canyon, Chaffee and Fremont Counties, Colorado. Colorado Natural Heritage Program, Fort Collins, CO.
194648	Wallace et al. 1997. Geologic Map of the Salida East Quad.

ADDITIONAL TOPICS

Additional Topics

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

VERSION

Version Date 03/09/2007

Version Author Neid, S.L.

Disclaimer

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