

Level 4 Potential Conservation Area (PCA) Report

Name Deadman Gulch

Site Code S.USCOHP1*2016

IDENTIFIERS

Site ID 1323 Site Class PCA
Site Alias Lookout Mountain

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 394327N
State Colorado Longitude 1051406W

Quad Code Quad Name

39105-G2	Golden
39105-F2	Morrison
39105-F3	Evergreen

County

Watershed Code Watershed Name

10190004	Clear
10190002	Upper South Platte

SITE DESCRIPTION

Minimum Elevation	5,800.00	Feet	1,768.00	Meters
Maximum Elevation	7,220.00	Feet	2,201.00	Meters

Site Description

[Pineda 1998:] Elevation: 5800 to 7220 feet (1767 to 2200m). The geology of this area is mostly of the Ratake-Cathedral-Rock outcrop complex containing slopes and ridges that face east, west or south, with 25 to 60 percent slopes. The soils in this complex are mostly formed in clayey and loamy material derived from sedimentary rocks. Soils are suitable for wildlife habitat, woodland, recreation areas, pasture, grazing, community development, and some crops. Soils are typically shallow and well drained. Soil blowing is minimal, and rock fragments make up about 35 to 80 percent of the soil volume. A mosaic of plant communities exists here. The higher areas are mostly Ponderosa pine communities with a graminoid understory, most of which is young growth, and no fire scars are apparent. Midslopes are dominated mostly by mountain mahogany shrubland communities and yucca with big blue stem grass in the understory. Bottoms of slopes are typically of shrubland/grassland communities, mostly plum, chokecherry, sumac and buckbrush, with an abundant accumulation of exotic flora at this level. Hillsides are definitely much less weedy than upslope. Graminoids at all levels include one or more of the following: big blue stem, little blue stem, blue grama, western wheat, and buffalo grass.

Key Environmental Factors

Fire, erosion, low annual precipitation.

Climate Description

Average annual precipitation is 17 to 20 inches (43 to 50 cm). Average annual air temperature is 43 to 47 degrees Fahrenheit (6.1 to 8.3 C). Average frost-free season is 76 to 125 days, depending on elevation.

Land Use History

At least within the last 100 years, this area was used for grazing of livestock.

Cultural Features

No Data

SITE DESIGN

Site Map P - Partial Mapped Date 01/11/1999
Designer Pineda, P.M.

Boundary Justification

The boundaries are meant to enclose a small watershed, and management should consider what upslope management has on the lower slopes. It is meant to allow for genetic exchange to occur between rare element occurrences. Areas adjacent or encompassing residential development are included to manage for

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weedy floral invasions.

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Primary Area 4,865.77 Acres 1,969.12 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

Biodiversity Significance Comments

This site contains occurrences of a G2 butterfly, as well as a diverse variety of butterfly and skipper occurrences that are peculiar to mixed grass communities of the Colorado Front Range.

Other Values Rank No Data

Other Values Comments

No Data

LAND MANAGEMENT ISSUES

Land Use Comments

Historically probably used for grazing of livestock, and more recently has been found to be suitable for residential development.

Natural Hazard Comments

No Data

Exotics Comments

Bromus tectorum, Bromus japonicus, Alyssum, Linaria dalmatica, and very thick, impenetrable stands of Carduus nutans, especially at the bottom of the slopes.

Offsite

Housing developments, roads, freeways, highways, trails, retail development, water diversions, City of Denver, City of Golden, quarries, agricultural development, livestock grazing.

Information Needs

No Data

ASSOCIATED ELEMENTS OF BIODIVERSITY

<u>Element State ID</u>	<u>State Scientific Name</u>	<u>State Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>	<u>Driving Site Rank</u>
17076	<i>Grammia</i> sp. 1	A Tiger Moth	G2G3	SNR	No
16895	<i>Atrytone arogos</i>	Arogos Skipper	G3	S2	No
16895	<i>Atrytone arogos</i>	Arogos Skipper	G3	S2	No
20146	<i>Celastrina humulus</i>	Hops Feeding Azure	G2G3	S2	Yes
22043	<i>Doa ampla</i>	A Moth	GNR	S1	No
19678	<i>Erynnis martialis</i>	Mottled Dusky Wing	G3	S2S3	No

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
173854	Field Survey (temporary placeholder citation)

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date 01/11/1999
Version Author Pineda, P.M.

Disclaimer

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