

# Level 4 Potential Conservation Area (PCA) Report

Name Hook and Moore Glade

Site Code S.USCOHP\*5967

## IDENTIFIERS

Site ID 644 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>
456	S.USCOHP7*3230	Laramie Foothills

## LOCATORS

Nation United States Latitude 404139N  
State Colorado Longitude 1051052W

### Quad Code Quad Name

40105-F2 Laporte

### County

Larimer (CO)

### Watershed Code Watershed Name

10190007 Cache La Poudre

## SITE DESCRIPTION

<b>Minimum Elevation</b>	5,380.00	<b>Feet</b>	1,640.00	<b>Meters</b>
<b>Maximum Elevation</b>	5,665.00	<b>Feet</b>	1,727.00	<b>Meters</b>

### Site Description

The site is characterized by a large sandstone hogback that parallels Highway 287. Elevations range from 5,380 feet to 5,665 feet at the top of the hogback. The vegetation is characterized by mountain mahogany (*Cercocarpus montanus*) shrublands on the steep slopes with scattered ponderosa pine (*Pinus ponderosa*) and Rocky Mountain juniper (*Juniperus scopulorum*). The valley between the hogbacks is dominated by grasslands that are somewhat degraded by the invasion of non-native species. The North Poudre Supply Canal runs through the site and in a tunnel under the hogback. Many weedy plant species have become established around this canal probably because of recent disturbance. Much of the hogback north of this site has been either heavily mined or disturbed by residential development.

### Key Environmental Factors

No Data

### Climate Description

No Data

### Land Use History

No Data

### Cultural Features

No Data

## SITE DESIGN

Site Map P - Partial Mapped Date 10/28/1996

Designer Kettler, S.M.

### Boundary Justification

The boundary is intended to protect the occurrence from direct disturbance and provide some buffer. The boundary to the north excludes the area heavily disturbed by quarrying. The lower valleys to the west and east of the hogback have been degraded by livestock operations and the building of the highway, but still may provide corridors for animal migration from the mountains to the plains.

Primary Area 798.97 Acres 323.33 Hectares

## SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

### Biodiversity Significance Comments

This site supports a fair (C-ranked) occurrence of the mountain mahogany/New Mexico feathergrass (*Cercocarpus montanus*/*Stipa neomexicana*) foothills shrubland plant community, which is imperiled to vulnerable (G2G3/S2S3) on a global scale. This occurrence is fairly small and although in good condition, considered lower quality because of the impacts to the adjacent grasslands and the hogback further north.

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Other Values Rank V2 - High values

## Other Values Comments

Proposed site for reservoir.

### LAND MANAGEMENT ISSUES

#### Land Use Comments

Currently used for grazing; leased for grazing.

#### 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>
40630	<i>Cercocarpus montanus</i> / <i>Hesperostipa neomexicana</i> Shrubland	Foothills Shrubland	G2G3	S2S3	Yes

### REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
164420	Bock, C. E., and J. H. Bock. 1988. Grassland birds in southeastern Arizona: impacts of fire, grazing, and alien vegetation. ICBP Technical Publication No. 7:43-58.
192692	Doyle, G.A., S.L. Neid and R.J. Rondeau. 2005. Final Report: Survey of Critical Biological Resources, Larimer County, Colorado. Colorado Natural Heritage Program, Fort Collins, CO.
166568	Kettler, S., J. Sanderson, S. Spackman, K. Fayette, C. Pague, D. Clark, and A. Hicks. 1996. Final Report: Significant plant, animal, and wetland resources of Larimer County and their conservation. Colorado Natural Heritage Program, Fort Collins, CO.

### ADDITIONAL TOPICS

#### Additional Topics

No Data

### VERSION

Version Date 03/08/2005

Version Author Doyle, G.A.

### Disclaimer

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