

# Level 4 Potential Conservation Area (PCA) Report

Name Lennox Mesa

Site Code S.USCOHP\*229

## IDENTIFIERS

Site ID 817 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 385245N  
State Colorado Longitude 1073249W

### Quad Code Quad Name

38107-H5 Bowie  
38107-G5 Paonia

### County

Delta (CO)

<u>Watershed Code</u>	<u>Watershed Name</u>
14020004	North Fork Gunnison

## SITE DESCRIPTION

Minimum Elevation	5,813.00 Feet	1,771.80 Meters
Maximum Elevation	8,248.00 Feet	2,513.99 Meters

### Site Description

Lennox Mesa is located on the western flank of Jumbo Mountain, northeast of Paonia. The site is characterized by gray barren Mancos shale slopes with shadscale saltbush (*Atriplex confertifolia*). The dominant plant community is Utah juniper (*Juniperus osteosperma*) / *Peraphyllum* - big sagebrush (*Artemisia tridentata*) - Utah serviceberry (*Amelanchier utahensis*) - mountain mahogany (*Cercocarpus montanus*). Other associated species include shortspine horsebrush (*Tetradymia spinosa*), fourwing saltbush (*Atriplex canescens*), purple springparsley (*Cymopterus purpureus*) and Rocky Mountain springparsley (*C. planosus*). The adobe beardtongue (*Penstemon retrorsus*) was located there by a BLM survey crew in 1984. Our attempt to visit this site in 1997 was aborted; however, we have no reason to believe that there has been any change. This location should be visited in the future to confirm and evaluate the occurrence. The entire south side of Jumbo Mountain appears to have potential habitat at lower elevations.

### Key Environmental Factors

No Data

### Climate Description

Arid semi-desert.

### Land Use History

No Data

### Cultural Features

No Data

## SITE DESIGN

Site Map Y - Yes Mapped Date 07/28/2009  
Designer Panjabi, S.S.

### Boundary Justification

The boundary was drawn to include the rare plants and additional potential habitat. The site includes the location of the adobe beardtongue as mapped by BLM and surrounding non-forested land which was mapped as the same soil type (Torriorthents-rock outcrop) by the NRCS (USDA 1981). The boundary was digitized while referencing a one meter digital color orthophoto quad.

Primary Area	3,441.63 Acres	1,392.78 Hectares
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## SITE SIGNIFICANCE

Biodiversity Significance Rank B2: Very High Biodiversity Significance

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## Biodiversity Significance Comments

The site supports a good (B-ranked) occurrence of the globally imperiled (G2G3/S2S3) Colorado desert-parsley (*Lomatium concinnum*) and an extant occurrence of the globally imperiled (G2/S2) juniper tumble mustard (*Thelypodiopsis juniperorum*). There is also an historical occurrence of a globally vulnerable (G3/S3) plant, adobe beardtongue (*Penstemon retrorsus*), last observed in 1984.

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

Current field surveys are needed to verify adobe beardtongue population.

## 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>
16795	<i>Penstemon retrorsus</i>	adobe beardtongue	G3	S3	No
23232	<i>Lomatium concinnum</i>	Colorado desert-parsley	G2G3	S2S3	Yes
22878	<i>Thelypodiopsis juniperorum</i>	juniper tumble mustard	G2	S2	No

## REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
179190	Lyon, P. and E. Williams. 1998. Final Report: Natural Heritage Biological Survey of Delta County. Colorado Natural Heritage Program, Fort Collins, CO.
198368	USDA Soil Conservation Service. 1981. Soil Survey of Paonia Area, Colorado.

## ADDITIONAL TOPICS

### Additional Topics

Original site design by Lyon, M.J. 1997-12-01.

## VERSION

Version Date 08/05/2009  
Version Author Lyon, M.J. and S.S. Panjabi

## Disclaimer

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