

# Level 4 Potential Conservation Area (PCA) Report

Name Davis Mesa Slopes

Site Code S.USCOHP\*898

## IDENTIFIERS

Site ID 44 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 381703N  
State Colorado Longitude 1084919W

### Quad Code Quad Name

38108-C7 Davis Mesa

### County

Montrose (CO)

### Watershed Code Watershed Name

14030002 Upper Dolores

## SITE DESCRIPTION

Minimum Elevation	5,200.00 Feet	1,584.96 Meters
Maximum Elevation	5,500.00 Feet	1,676.40 Meters

### Site Description

The Davis Mesa Slopes site is located on the south side of Paradox Valley, at the base of the pinon - juniper hillside. The area includes both private and BLM land. An unimproved road and a power line run through the site. Thousands of individuals of Payson lupine were found in the pinon - juniper woodland on soils derived from the Chinle Formation. The plants were particularly abundant in dry washes, and were even found in the middle of the dirt road. Adjacent sagebrush flats do not support the lupine. There were few exotic plants observed.

### 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 02/07/2000

Designer Lyon, M.J.

### Boundary Justification

The site encompasses the known location of Payson lupine on the south side of Paradox Valley, and adjacent area in the same habitat type. The boundary was drawn to include the lower, gentle slopes in the pinon - juniper zone, to which the species appears to be restricted. It does not include the steep cliffs above and the more level sagebrush areas below the pinon - juniper zone, where the species does not occur. This represents our current best estimate of the area needed to sustain the population and allow movement or expansion into similar adjacent habitat over time.

Primary Area 553.61 Acres 224.04 Hectares

## SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

### Biodiversity Significance Comments

A fair (C-ranked) occurrence of the globally imperiled (G2/S2) Payson lupine (*Lupinus crassus*) was recorded at this site. This species is known only from Montrose County, Colorado. The three highest quality occurrences are located in Paradox Valley.

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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>
18466	<i>Lupinus crassus</i>	Payson lupine	G2	S2	Yes

### REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
192792	Lyon, P. and J. Sovell. 2000. Final Report: A Natural Heritage Assessment, San Miguel and Western Montrose Counties, Colorado. Colorado Natural Heritage Program, Fort Collins, CO.

### ADDITIONAL TOPICS

## Additional Topics

Original site design by Loar, A.M. 1996-09-25.

### VERSION

Version Date 02/07/2000

Version Author Lyon, M.J.

### Disclaimer

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