

Level 4 Potential Conservation Area (PCA) Report

Name South Mule Creek

Site Code S.USCOHP*016

IDENTIFIERS

Site ID 404 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>
2658	S.USCOHP*27934	Comanche

LOCATORS

Nation United States Latitude 374629N
State Colorado Longitude 1023553W

Quad Code Quad Name

37102-G5 Gobblers Knob
37102-F5 Two Buttes Reservoir

County

Prowers (CO)

Watershed Code Watershed Name

11020009 Upper Arkansas-John Martin

SITE DESCRIPTION

Minimum Elevation	4,040.00 Feet	1,231.39 Meters
Maximum Elevation	4,335.00 Feet	1,321.31 Meters

Site Description

The site is characterized by open sandstone rocky outcroppings, covered by a mixture of grasses including blue gramma (*Bouteloua gracilis*) and hairy gramma (*Bouteloua hirsuta*). Juniper (*Juniperus monosperma*) occurs along the rimrock and yucca (*Yucca glauca*) occurs throughout. Growing in the fissures of the white sandstone outcrops and in the sandy soils derived from the rock is a population of the globally vulnerable Colorado green gentian, *Frasera coloradensis*, with over 500 individuals. A colony of black-tailed prairie dogs is also located within the boundary at its the extreme northern end. During a survey in 2003 over approximately 50 prairie dogs were observed including 12 juveniles.

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 05/28/1991
Designer Reid, M.

Boundary Justification

This site includes the occurrence and adjacent suitable habitat for additional individuals to establish over time.

Primary Area	4,641.64 Acres	1,878.41 Hectares
--------------	----------------	-------------------

SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

Biodiversity Significance Comments

The South Mule Creek site biodiversity rank is based on an historical occurrence of the globally imperiled (G2G3/S2S3) Colorado green gentian (*Frasera coloradensis*). This occurrence was previously documented in good condition (B-ranked).

Other Values Rank No Data

Level 4 Potential Conservation Area (PCA) Report

Name South Mule Creek

Site Code S.USCOHP*016

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 the condition of the *Frasera coloradensis* occurrence.

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>
24419	<i>Frasera coloradensis</i>	Colorado green gentian	G2G3	S2S3	Yes

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
-	No Data

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date 05/28/1991

Version Author Reid, M.

Disclaimer

Level 4 Potential Conservation Area (PCA) Report

Name South Mule Creek

Site Code S.USCOHP*016

These data are a product and property of Colorado State University, Colorado Natural Heritage Program (CNHP). These data are strictly "on loan" and should be considered "works in progress". Data maintained in the Colorado Natural Heritage Program database are an integral part of ongoing research at CSU and reflect the observations of many scientists, institutions and our current state of knowledge. These data are acquired from various sources, with varying levels of accuracy, and are continually being updated and revised. Many areas have never been surveyed and the absence of data in any particular geographic area does not necessarily mean that species or ecological communities of concern are not present. These data should not be regarded as a substitute for on-site surveys required for environmental assessments. Absence of evidence is NOT evidence of absence. Absence of any data does not mean that other resources of special concern do not occur, but rather CNHP files do not currently contain information to document this presence. CNHP is not responsible for whether other, non-CNHP data providers have secured landowner permission for data collected.

These data are provided for non-commercial purposes only. Under no circumstances are data to be distributed in any fashion to outside parties. To ensure accurate application of data, tabular and narrative components must be evaluated in conjunction with spatial components. Failure to do so constitutes a misuse of the data. The Colorado Natural Heritage Program shall have no liability or responsibility to the data users, or any other person or entity with respect to liability, loss, or damage caused or alleged to be caused directly or indirectly by the data, including but not limited to any interruption of service, loss of business, anticipatory profits or indirect, special, or consequential damages resulting from the use of operation of the data. Data users hereby agree to hold CNHP, Colorado State University, and the State of Colorado harmless from any claim, demand, cause of action, loss, damage or expense from or related to data users use of or reliance on the data, regardless of the cause or nature thereof, and even in the event that such cause is attributable to the negligence or misconduct of CNHP.

These data are provided on an as-is basis, as-available basis without warranties of any kind, expressed or implied, INCLUDING (BUT NOT LIMITED TO) WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. Although CNHP maintains high standards of data quality control, CNHP, Colorado State University, and the State of Colorado further expressly disclaim any warranty that the data are error-free or current as of the date supplied