

Level 4 Potential Conservation Area (PCA) Report

Name Mustang Creek

Site Code S.USCOHP*024

IDENTIFIERS

Site ID 1980 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 372022N
State Colorado Longitude 1031048W

Quad Code Quad Name

37103-C2 Andrix

County

Las Animas (CO)

Watershed Code Watershed Name

11020013 Two Butte

SITE DESCRIPTION

Minimum Elevation	5,260.00 Feet	1,603.00 Meters
Maximum Elevation	5,260.00 Feet	1,603.00 Meters

Site Description

The Mustang Creek site is dominated by needle and thread grass and New Mexico feathergrass (*Stipa comata* and *S. neomexicana*), snakeweed (*Gutierrezia sarothrae*), and blue grama (*Bouteloua gracilis*). The site is located in Pasture 11F which utilizes a 3 unit deferred rotation grazing system. It is located on both private and USFS lands.

Key Environmental Factors

No Data

Climate Description

HOT

Land Use History

No Data

Cultural Features

No Data

SITE DESIGN

Site Map Y - Yes Mapped Date 03/15/1996
Designer Culver, D.R.

Boundary Justification

The conservation boundary includes the entire population in both private and USFS lands. There is a buffer of 1,000 feet to prevent further disturbance from grazing activities.

Primary Area 424.94 Acres 171.97 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

Biodiversity Significance Comments

The Mustang Creek site supports a fair (C ranked) occurrence of the globally imperiled (G2G3/S2S3) plant species, Colorado green gentian (*Frasera coloradensis*). This population was first documented in 1981 and revisited in 1990. There were an estimated 700 plants in 1990. During the 1995 inventory, approximately 250 flowering plants and 50 rosettes were recorded. There was evidence of moderate grazing.

Other Values Rank No Data

Other Values Comments

No Data

Level 4 Potential Conservation Area (PCA) Report

Name Mustang Creek

Site Code S.USCOHP*024

LAND MANAGEMENT ISSUES

Land Use Comments

The evident decline of these occurrences could be a result of grazing pressure and trampling of rosettes.

Natural Hazard Comments

No Data

Exotics Comments

No Data

Offsite

No Data

Information Needs

The greatest threat to the Colorado green gentian appears to be from cattle grazing in mid-to late-summer. If little other forage is available, the gentians may be consumed before they can produce mature seed.

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>
172109	Culver, D., M. A. March, S. Kettler and C. Pague. 1996. Natural Heritage Inventory of Significant Animals and Plants and Classification of Riparian Plant Associations: Timpas Grazing District and Kim Grazing Association. unpub CNHP report for U.S. Forest Service. 215+ p.

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date 04/01/1996

Version Author M. MARCH

Disclaimer

Level 4 Potential Conservation Area (PCA) Report

Name Mustang Creek

Site Code S.USCOHP*024

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