

Level 4 Potential Conservation Area (PCA) Report

Name Missouri Heights

Site Code S.USCOHP*10238

IDENTIFIERS

Site ID 464 Site Class PCA
Site Alias Catherine Road North

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 392557N
State Colorado Longitude 1070716W

Quad Code Quad Name

39107-D2 Carbondale
39107-D1 Leon

County

Garfield (CO)
Eagle (CO)

Watershed Code Watershed Name

14010004 Roaring Fork

SITE DESCRIPTION

Minimum Elevation - Feet - Meters
Maximum Elevation - Feet - Meters

Site Description

The Missouri Heights PCA is characterized by rolling hills of sagebrush (*Artemisia tridentata*) shrublands with spectacular views of Mt Sopris and the Elk Range. The surrounding slopes are dominated by pinyon-juniper (*Pinus edulis*-*Juniperus osteosperma*) woodlands; bottomlands have been converted for agricultural uses. About 50% of the sagebrush shrublands have been cleared for agricultural or residential developments. The remaining sagebrush is highly fragmented by residential development and associated roads, and /or degraded as a result of cattle grazing. Exotic grasses such as Kentucky bluegrass (*Poa pratensis*) and smooth brome (*Bromus inermis*) are spreading into the shrublands. High quality shrublands are difficult to find in this area. Harrington's beardtongue (*Penstemon harringtonii*) is found in these relatively high quality areas as well as between residences where landscaping has spared the native vegetation. There are countless roads, and a power line that cross through the PCA. A total of 2079 acres are included within this PCA with an elevation range of 7000-7200 feet.

Key Environmental Factors

No Data

Climate Description

No Data

Land Use History

No Data

Cultural Features

No Data

SITE DESIGN

Site Map Y - Yes Mapped Date 05/07/1999
Designer Spackman, S.C.

Boundary Justification

The primary threats to Harrington's beardtongue (*Penstemon harringtonii*) at this PCA are residential development and heavy livestock grazing. The PCA boundary includes the occurrence of Harrington's beardtongue and a buffer that is intended to protect it from these direct disturbances. Indirect disturbances, such as unnatural erosion caused from up slope activities or the establishment of exotic species within the PCA, should be considered but are not included within the PCA boundary.

Primary Area 2,091.87 Acres 846.56 Hectares

SITE SIGNIFICANCE

Copyright © 2011. Colorado State University. Colorado Natural Heritage Program. All Rights Reserved.

Level 4 Potential Conservation Area (PCA) Report

Name Missouri Heights

Site Code S.USCOHP*10238

Biodiversity Significance Rank B4: Moderate Biodiversity Significance

Biodiversity Significance Comments

A fair (C-ranked) occurrence of a globally vulnerable (G3/S3) plant is the basis for this site. Harrington's beardtongue (*Penstemon harringtonii*) is a globally vulnerable plant species restricted to Colorado and is found almost exclusively in sagebrush habitat. This species is only known from approximately 37 locations centered around Edwards in Eagle County. In general, Harrington's beardtongue and its habitat are highly threatened due to residential and recreational development. These threats, in addition to its restricted range, create an urgency for protection. This is a degraded site containing a very degraded and fragmented (though extensive) occurrence of Harrington's beardtongue.

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>
19662	<i>Penstemon harringtonii</i>	Harrington beardtongue	G3	S3	No
19662	<i>Penstemon harringtonii</i>	Harrington beardtongue	G3	S3	No
19662	<i>Penstemon harringtonii</i>	Harrington beardtongue	G3	S3	No
19662	<i>Penstemon harringtonii</i>	Harrington beardtongue	G3	S3	No
19662	<i>Penstemon harringtonii</i>	Harrington beardtongue	G3	S3	No
19662	<i>Penstemon harringtonii</i>	Harrington beardtongue	G3	S3	No
19662	<i>Penstemon harringtonii</i>	Harrington beardtongue	G3	S3	No
19662	<i>Penstemon harringtonii</i>	Harrington beardtongue	G3	S3	No
19662	<i>Penstemon harringtonii</i>	Harrington beardtongue	G3	S3	Yes
19662	<i>Penstemon harringtonii</i>	Harrington beardtongue	G3	S3	No
19662	<i>Penstemon harringtonii</i>	Harrington beardtongue	G3	S3	No
19662	<i>Penstemon harringtonii</i>	Harrington beardtongue	G3	S3	No

REFERENCES

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

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date	05/07/1999
Version Author	Spackman, S.C.

Disclaimer

Level 4 Potential Conservation Area (PCA) Report

Name Missouri Heights

Site Code S.USCOHP*10238

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