

Level 4 Potential Conservation Area (PCA) Report

Name Harding Hole

Site Code S.USCOHP*755

IDENTIFIERS

Site ID 2041 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>
606	S.USCOHP*749	Yampa River in Dinosaur

LOCATORS

Nation United States Latitude 402844N
State Colorado Longitude 1085104W

Quad Code Quad Name
40108-D7 Tanks Peak

County
Moffat (CO)

Watershed Code Watershed Name
14050002 Lower Yampa

SITE DESCRIPTION

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

Site Description

The site consists of sandy flat slopes, cliffs and overhangs of Weber formation in association with one-seed juniper (*Juniperus osteosperma*), *Brickellia*, needle-and-thread grass (*Hesperostipa comata*), *Heterotheca*, *Clematis*, and *Prunus*. It is characterized by deep alcoves and sandy ledges of slick rock at 5,400 ft.

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 09/11/2008

Designer Panjabi, S.S.

Boundary Justification

The boundary includes the known occurrences and a buffer zone to protect from direct disturbances.

Primary Area 1,092.19 Acres 441.99 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B2: Very High Biodiversity Significance

Biodiversity Significance Comments

This site contains a high concentration of globally and state rare plant occurrences. Although the occurrences have not been updated in over 20 years, they are located in Dinosaur National Monument and the plants are very likely to persist in this area. The site includes historical occurrences of the globally imperiled (G2/S1) alcove bog orchid (*Limnorchis zothecina*), the globally vulnerable (G3/S1) Utah bladderfern (*Cystopteris utahensis*), the globally imperiled (G2/S2) alcove death camas (*Anticlea vaginatus*), the globally vulnerable (G3/S2) Ownbey's thistle (*Cirsium ownbeyi*), the state rare (G5T4/S2) smooth cliff-brake (*Pellaea suksdorfiana*), the state rare (G4/S2) helliborine (*Epipactis gigantea*) and the state rare (G5/S2) southern maiden-hair fern (*Adiantum capillis-veneris*).

Other Values Rank No Data

Other Values Comments

No Data

Level 4 Potential Conservation Area (PCA) Report

Name Harding Hole

Site Code S.USCOHP*755

LAND MANAGEMENT ISSUES

Land Use Comments

No Data

Natural Hazard Comments

No Data

Exotics Comments

No Data

Offsite

No Data

Information Needs

Current field survey needed to verify quality of rare plant populations.

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>
22637	<i>Anticlea vaginatus</i>	alcove death camas	G2	S2	Yes
21304	<i>Limnorchis zothecina</i>	alcove bog orchid	G2	S1	Yes
21939	<i>Pellaea suksdorfiana</i>	smooth cliff-brake	G5T4?	S2	No
17396	<i>Cirsium ownbeyi</i>	Ownbey's thistle	G3	S2	No
18174	<i>Cystopteris utahensis</i>	Utah bladderfern	G3?	S1	No
22637	<i>Anticlea vaginatus</i>	alcove death camas	G2	S2	Yes
17626	<i>Epipactis gigantea</i>	helleborine	G4	S2S3	No
23491	<i>Adiantum capillus-veneris</i>	southern maiden-hair	G5	S2	No

REFERENCES

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

ADDITIONAL TOPICS

Additional Topics

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

VERSION

Version Date	09/11/2008
Version Author	Panjabi, S.S.

Disclaimer

Level 4 Potential Conservation Area (PCA) Report

Name Harding Hole

Site Code S.USCOHP*755

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