

Level 4 Potential Conservation Area (PCA) Report

Name Middle Boulder Creek at Eldora

Site Code S.USCOHP*7041

IDENTIFIERS

Site ID 887 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 395656N
State Colorado Longitude 1053242W

Quad Code Quad Name

39105-H5 Nederland

County

Boulder (CO)

Watershed Code Watershed Name

10190005 St. Vrain

SITE DESCRIPTION

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

Site Description

The site consists of a flat open floodplain terrace and a montane grassland which supports mountain muhly (*Muhlenbergia montana*), Parry's oatgrass (*Danthonia parryi*), needle-and-thread grass (*Hesperostipa comata*), thickspike wheatgrass (*Elymus lanceolatus*), fringed sage (*Artemisia frigida*), hairy false goldenaster (*Heterotheca villosa*), and sulphur-flower buckwheat (*Eriogonum umbellatum*). Additional associated plant species include sun sedge (*Carex heliophila*), Rocky Mountain fescue (*Festuca saximontana*) and lesser spikemoss (*Selaginella densa*). The parent material is igneous, silver plume granite decomposing to a gravelly sandy loam within a glaciated mountain valley.

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 02/10/1997
Designer Fayette, K.K.

Boundary Justification

The boundary is drawn to include the occurrences, adjacent potential habitat, and the local mosaic of plant communities.

Primary Area 254.67 Acres 103.06 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

Biodiversity Significance Comments

This site includes a good (B-ranked) occurrence of a globally vulnerable (G3/S1) sedge, *Carex oreocharis*, and an unranked occurrence of a globally vulnerable (G3G4/S2?) *Muhlenbergia montana* - *Danthonia parryi* montane grassland.

Other Values Rank No Data

Other Values Comments

No Data

Level 4 Potential Conservation Area (PCA) Report

Name Middle Boulder Creek at Eldora

Site Code S.USCOHP*7041

LAND MANAGEMENT ISSUES

Land Use Comments

No Data

Natural Hazard Comments

No Data

Exotics Comments

No Data

Offsite

Two large, partially-restored gravel mines are immediately south of the site.

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>
19228	<i>Danthonia parryi</i> Herbaceous Vegetation	Montane Grasslands	G3	S3	No
20528	<i>Carex oreocharis</i>	a sedge	G3	S2	Yes

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
195190	Neid, S., J. Lemly, K. Decker and D. Culver. 2009. Final Report: Survey of Critical Biological Resources in Boulder County 2007-2008. Colorado Natural Heritage Program, Fort Collins, CO.

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date	02/10/1997
Version Author	Fayette, K.K.

Disclaimer

Level 4 Potential Conservation Area (PCA) Report

Name Middle Boulder Creek at Eldora

Site Code S.USCOHP*7041

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