

Level 4 Potential Conservation Area (PCA) Report

Name Boulder Creek

Site Code S.USCOHP2*2250

IDENTIFIERS

Site ID 251 Site Class PCA
Site Alias Fourmile Creek-Boulder County

Network of Conservation Areas (NCA)

NCA Site ID NCA Site Code NCA Site Name
- No Data

LOCATORS

Nation United States Latitude 400202N
State Colorado Longitude 1051250W

Quad Code Quad Name

40105-A2 Niwot

County

Watershed Code Watershed Name

10190005 St. Vrain

SITE DESCRIPTION

Minimum Elevation - Feet - Meters

Maximum Elevation - Feet - Meters

Site Description

This site includes a series of wet meadows, gravelly floodplains, and hay meadows adjacent to Fourmile Creek. Associated species include broom sedge (*Carex scoparia*), Canada bluegrass (*Poa compressa*), reed mannagrass (*Glyceria maxima*), curly dock (*Rumex crispus*), Torrey's rush (*Juncus torreyi*), foxtail barley (*Hordeum jubatum*), wild mint (*Mentha arvensis*), narrowleaf willow (*Salix exigua*), roundleaf monkeyflower (*Mimulus glabratus*), bulrush (*Scirpus americanus*) and reed canarygrass (*Phalaris arundinacea*).

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 10/30/2008

Designer Panjabi, S.S.

Boundary Justification

The boundary includes the wet meadows where the rare plants are known exist, as well as adjacent potential habitat identified using an aerial photograph.

Primary Area 2,683.07 Acres 1,085.80 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

Biodiversity Significance Comments

This site includes a fair (C-ranked), fair to poor (CD-ranked) and a historical occurrence of a globally vulnerable (G2G3/S2) plant species, Ute ladies' tresses (*Spiranthes diluvialis*). This species is listed as Threatened under the federal Endangered Species Act. There is also a good (B-ranked) occurrence of Bald Eagle (*Haliaeetus leucocephalus*). Cylindrical papershell (*Anodontoides ferussacianus*), a state rare (G5/S2) invertebrate, was sighted in the early 1900s.

Other Values Rank No Data

Other Values Comments

No Data

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LAND MANAGEMENT ISSUES

Land Use Comments

Gravel mining, grazing.

Natural Hazard Comments

No Data

Exotics Comments

Canada thistle (*Cirsium arvense*) is present.

Offsite

No Data

Information Needs

Search for cylindrical papershell (*Anodontooides ferussacianus*).

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>
17998	<i>Spiranthes diluvialis</i>	Ute ladies' tresses	G2G3	S2	No
22861	<i>Anodontooides ferussacianus</i>	Cylindrical Papershell	G5	S2	No
17998	<i>Spiranthes diluvialis</i>	Ute ladies' tresses	G2G3	S2	No
17998	<i>Spiranthes diluvialis</i>	Ute ladies' tresses	G2G3	S2	Yes
21249	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S1B,S3N	No

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

Original site design by Pague, C.A. 1994-09-12.

VERSION

Version Date	10/30/2008
Version Author	Panjabi, S.S.

Disclaimer

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