

Level 4 Potential Conservation Area (PCA) Report

Name Chubb Park

Site Code S.USCOHP*27718

IDENTIFIERS

Site ID 2618 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 385308N
State Colorado Longitude 1060004W

<u>Quad Code</u>	<u>Quad Name</u>
38106-H1	Marmot Peak
38105-G8	Castle Rock Gulch
38105-H8	Antero Reservoir
38106-G1	Buena Vista East

County

Chaffee (CO)

<u>Watershed Code</u>	<u>Watershed Name</u>
11020001	Arkansas Headwaters

SITE DESCRIPTION

Minimum Elevation	9,185.00 Feet	2,799.59 Meters
Maximum Elevation	9,340.00 Feet	2,846.83 Meters

Site Description

An intermittent drainage flows through the grassland park which is surrounded by a mixed ponderosa pine (*Pinus ponderosa*) - aspen (*Populus tremuloides*) matrix forest. Ridges have some limber pine (*Pinus flexilis*). Riparian corridors are dominated by sedges (*Carex utriculata*, *Carex aquatilis*, *Carex nebrascensis*) and graminoids (*Calamagrostis canadensis*, *Juncus balticus*) with small thickets of browsed willows (*Salix monticola*, *Salix planifolia*, *Salix eriocephala*) and shrubby cinquefoil. Seepage areas are evident with a spongy substrate and bryophytes. The wetlands are characterized by analogue sedge (*Carex simulata*). There is a small area of floating mat of vegetation with spikerush (*Eleocharis quinquefolia*) and seaside arrowgrass (*Triglochin maritima*) in addition to analogue sedge. There are several types of green algae stonewort (*Chara* spp.) and filamentous present. Forbs also include alkali buttercup (*Ranunculus cymbalaria*), mountain meadowrue (*Thalictrum fendleri*), and Rocky Mountain iris (*Iris missouriensis*).

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 03/10/2009
Designer Handwerk, J.E.

Boundary Justification

The boundary was drawn to include the spring supporting the caddisfly as well as the community and suitable habitat up and downstream of the occurrences. Hydrological processes that originate upstream of this site will need management to assure that the occurrence is protected for the long term.

Primary Area 2,087.83 Acres 844.92 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

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Biodiversity Significance Comments

This site supports an extant (E-ranked) occurrence of a globally imperiled (G2/S2) caddisfly (*Ochrotrichia susanae*). The Susan's purse-making caddisfly was identified as a new species in 1976, and has only been found in two sites in central Colorado: Trout Creek Spring in Chaffee County, where the species was first described, and High Creek Fen in Park County. This species is seriously threatened by habitat loss, primarily due to the effects of livestock grazing and timbering projects in the Trout Creek Spring area. The site also supports a fair to good (BC-ranked) occurrence of a state vulnerable (G4/S3) wet meadow (*Carex simulata* herbaceous vegetation).

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>
16887	<i>Carex simulata</i> Herbaceous Vegetation	Wet Meadow	G4	S3	No
23489	<i>Ochrotrichia susanae</i>	Susan's purse-making caddisfly	G2	S2	Yes

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
198290	Culver, D.R., D. Malone, S.L. Neid, and J. Handwerk. 2009. Final Report: Survey of Critical Biological Resources in Chaffee County. Colorado Natural Heritage Program, Fort Collins, CO.
161538	Flint, O.S., Jr. and S.J. Herrmann. 1976. The description of , and environmental characterization for, a new species of <i>Ochrotrichia</i> from Colorado, USA. Ann. Entomol. Soc. Amer. 69:837-862.

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date 03/10/2009
Version Author Handwerk, J.E.

Disclaimer

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