

Level 4 Potential Conservation Area (PCA) Report

Name Upper Weminuche Creek

Site Code S.USCOHP*9455

IDENTIFIERS

Site ID 1742 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 373602N
State Colorado Longitude 1071941W

Quad Code Quad Name
37107-E3 Granite Lake

County
Hinsdale (CO)

Watershed Code Watershed Name
14080102 Piedra

SITE DESCRIPTION

Minimum Elevation	9,760.00 Feet	2,975.00 Meters
Maximum Elevation	10,000.00 Feet	3,048.00 Meters

Site Description

The site is located where an un-named tributary meets Weminuche Creek. Most of the riparian area is dominated by Drummond's willow (*Salix drummondiana*). The north end is a sedge meadow. Inactive beaver ponds are present in the area. The vegetation on the adjacent uplands is dominated by spruce - fir on north-facing slopes and aspen (*Populus tremuloides*) on south-facing slopes.

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 06/09/1997
Designer Kettler, S.M.

Boundary Justification

The boundary encompasses the wetland occurrence and an approximate 1,000 foot buffer. This boundary should protect the occurrence from direct disturbance, and is thought to protect the avian, macroinvertebrate and periphyton communities and limit impacts from sedimentation (see Noel et al. 1986, Spackman and Hughes 1995, Karr and Schlosser 1978).

Primary Area 59.77 Acres 24.19 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B4: Moderate Biodiversity Significance

Biodiversity Significance Comments

The site supports a good (B-ranked) occurrence of a state rare (G4/S2?) smallwing sedge (*Carex microptera*) montane wetland.

Other Values Rank No Data

Other Values Comments

No Data

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LAND MANAGEMENT ISSUES

Land Use Comments

No Data

Natural Hazard Comments

No Data

Exotics Comments

Dandelions (*Taraxacum officinale*) are sparse in the sedge meadow, but denser along the trail.

Offsite

Hydrological processes originating outside of the planning boundary, including water quality, quantity, timing and flow must be managed to maintain site viability.

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>
22744	<i>Carex microptera</i> Herbaceous Vegetation	Montane Wetland	G4	S2?	Yes

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
172808	J. R. Karr and I. J. Schlosser. 1978. Water resources and the land-water interface. Science 201: 229-234.
194565	Neid, S.L. and J.R. Jones. 2008. Final Report: Survey of Critical Wetlands and Riparian Areas in Hinsdale County. Colorado Natural Heritage Program, Fort Collins, CO.
165959	Noel, D.S., C.W. Martin and C.A. Federer. 1986. Effects of Forest Clearcutting in New England on Stream Macroinvertebrates and Periphyton. Environmental Management 10: 661-670.
165197	Richard, C. and D. Grant. 1995. Colorado Natural Heritage Program Riparian Field Survey for San Juan National Forest.
159511	Spackman, S. C. and J. W. Hughes. 1995. Assessment of Minimum Stream Corridor Width for Biological Conservation: Species Richness and Distribution Along Mid-Order Streams in Vermont, USA. Biological Conservation 71:325-332.

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date 06/09/1997

Version Author Kettler, S.M.

Disclaimer

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