

Level 4 Potential Conservation Area (PCA) Report

Name Wolf Creek

Site Code S.USCOHP*9502

IDENTIFIERS

Site ID 642 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 372650N
State Colorado Longitude 1065313W

Quad Code Quad Name
37106-D8 Saddle Mountain

County
Mineral (CO)

Watershed Code Watershed Name
14080101 Upper San Juan

SITE DESCRIPTION

Minimum Elevation	7,800.00 Feet	2,377.00 Meters
Maximum Elevation	9,000.00 Feet	2,743.00 Meters

Site Description

Floodplain in a broad opening and narrow upper canyon near Campground. The Wolf Creek site includes Wolf Creek and the upper slopes that support the rare plants of the site. The riparian area near Wolf Creek Campground is comprised of a Douglas-fir/narrowleaf cottonwood-white fir (*Pseudotsuga menziesii*/Populus angustifolia-*Abies concolor*) community. The community overstory is very diverse with numerous species of trees and shrubs. Age class is diverse with very large individuals of narrowleaf cottonwood and white fir. Upland communities are also diverse. Lower slopes are composed of blue spruce/white fir (*Picea pungens*/*Abies concolor*) with Douglas-fir. Southwestern white pine (*Pinus strobiformis*) is subdominant. Upslope is subalpine fir/Engelmann spruce (*Abies lasiocarpa*/*Picea engelmannii*). The valley receives high precipitation creating a very lush and productive landscape. Grazing occurs in the valley below but does not appear to affect this community.

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 06/10/1997

Designer Kettler, S.M.

Boundary Justification

The boundary encompasses the occurrence and an approximate 1000 ft. 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). The boundary encompasses the occurrences and an approximate 1000 foot buffer. This site was not visited by CNHP in 1998.

Primary Area 260.62 Acres 105.47 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

Biodiversity Significance Comments

The Wolf Creek site contains a good (B-ranked) occurrence of the globally vulnerable riparian plant

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community comprised of narrowleaf cottonwood - Douglas-fir (*Populus angustifolia* - *Pseudotsuga menziesii*) and a fair (C-ranked) occurrence of the globally imperiled (G2/S2) *Abies concolor* - *Picea pungens* - *Populus angustifolia* / *Acer glabrum* forest.

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

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>
24810	<i>Abies concolor</i> - <i>Picea pungens</i> - <i>Populus angustifolia</i> / <i>Acer glabrum</i> Forest	Montane Riparian Forests	G2	S2	Yes
18905	<i>Oenothera kleinii</i>	Wolf Creek evening primrose	GUGHQ	SX	No
24692	<i>Populus angustifolia</i> - <i>Pseudotsuga menziesii</i> Woodland	Montane Riparian Forest	G3	S2	Yes

REFERENCES

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

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date	06/10/1997
Version Author	Kettler, S.M.

Disclaimer

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