

Level 4 Potential Conservation Area (PCA) Report

Name Bean Canyon

Site Code S.USCOHP*9378

IDENTIFIERS

Site ID 1017 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 373126N
State Colorado Longitude 1082953W

<u>Quad Code</u>	<u>Quad Name</u>
37108-E4	Boggy Draw
37108-E5	Trimble Point

County

Montezuma (CO)

<u>Watershed Code</u>	<u>Watershed Name</u>
14030002	Upper Dolores

SITE DESCRIPTION

Minimum Elevation	7,100.00 Feet	2,164.00 Meters
Maximum Elevation	7,500.00 Feet	2,286.00 Meters

Site Description

Narrow canyon with intermittent stream. The riparian vegetation occurs in small, narrow patches interspersed with upland vegetation.

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 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). Watershed level protection may be needed to support this community which is late seral in riparian areas.

Primary Area	134.08 Acres	54.26 Hectares
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SITE SIGNIFICANCE

Biodiversity Significance Rank B4: Moderate Biodiversity Significance

Biodiversity Significance Comments

This site supports a fair (C-ranked) occurrence of a globally vulnerable (G3/S3) riparian plant community (*Populus angustifolia* / *Salix eriocephala* var. *ligulifolia* - *Shepherdia argentea*) and a fair (C-ranked) occurrence of a globally vulnerable (G3G4/S1) *Shepherdia argentea* riparian shrubland.

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

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>
17439	<i>Shepherdia argentea</i> Shrubland	Foothills Riparian Shrubland	G3G4	S1	Yes
24496	<i>Populus angustifolia</i> / <i>Salix ligulifolia</i> - <i>Shepherdia argentea</i> Woodland	Narrowleaf Cottonwood Riparian Forests	G3	S3	Yes

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
159567	Carsey, K. and M. Aitken. 1993. Colorado Natural Heritage Program San Juan National Forest Riparian Site Survey.
172808	J. R. Karr and I. J. Schlosser. 1978. Water resources and the land-water interface. Science 201: 229-234.
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.
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 06/30/2003

Version Author Bell, J.B.

Disclaimer

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