

Level 4 Potential Conservation Area (PCA) Report

Name Stollsteimer Creek North

Site Code S.USCOHP*1602

IDENTIFIERS

Site ID 2038 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>
2467	S.USCOHP*27036	Pagosa Springs

LOCATORS

Nation United States Latitude 371445N
State Colorado Longitude 1071214W

<u>Quad Code</u>	<u>Quad Name</u>
37107-B2	Lonetree Canyon
37107-C2	Chris Mountain

County

Archuleta (CO)

<u>Watershed Code</u>	<u>Watershed Name</u>
14080102	Piedra

SITE DESCRIPTION

Minimum Elevation	6,750.00 Feet	2,057.00 Meters
Maximum Elevation	7,614.00 Feet	2,321.00 Meters

Site Description

The site comprises disturbed areas along Highway 160 at Dyke, and foothills north of the highway to the National Forest boundary. It is characterized by low hills of Mancos shale, with sparse to moderately dense vegetation including Rocky Mountain juniper (*Juniperus scopulorum*), skunkbrush (*Rhus trilobata*), rabbitbrush (*Chrysothamnus nauseosus*), chokecherry (*Prunus virginiana* var. *melanocarpa*), bitter brush (*Purshia tridentata*), Gambel oak (*Quercus gambelii*) and a mixture of native and introduced grasses and forbs, including Indian rice grass (*Oryzopsis hymenoides*), blue gramma (*Bouteloua gracilis*) and galleta (*Hilaria jamesii*). Upper slopes have ponderosa pine (*Pinus ponderosa*) and Gambel oak, with Douglas-fir (*Pseudotsuga menziesii*) present on cooler sites. It also includes a Gunnison's prairie dog town as well as an irrigated pasture on the south side of the highway.

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 05/24/1999
Designer Fayette, K.K.

Boundary Justification

The site encompasses three occurrences of the Pagosa bladderpod (*Lesquerella pruinoso*) and one occurrence of the Pagosa skyrocket (*Ipomopsis polyantha*), along with some unoccupied or unsurveyed but suitable adjacent habitat. The boundaries incorporate areas of Mancos shale and alluvial soils that are subject to some degree of natural erosion. A small population of Gunnison's prairie dog exists, but the site was not drawn for this species.

Primary Area	3,463.27 Acres	1,401.54 Hectares
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SITE SIGNIFICANCE

Biodiversity Significance Rank B2: Very High Biodiversity Significance

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Biodiversity Significance Comments

This site includes a good (B-ranked) occurrence, one of only several known occurrences in the entire world, of the critically imperiled (G1/S1) Pagosa skyrocket (*Ipomopsis polyantha*). As of 2006, this plant is only known from Archuleta County. In addition, there are excellent to good (AB-ranked), good (B-ranked) and unranked occurrences of the Pagosa bladderpod (*Lesquerella pruinoso*), a globally imperiled (G2/S2) plant. The Pagosa bladderpod is restricted to soils derived from Mancos shale and, as of 2006, is known from less than 20 occurrences in Archuleta County, Colorado and a population in New Mexico. Habitat destruction is the biggest threat to *L. pruinoso*, especially considering its limited range. Residential growth and development around the city of Pagosa Springs could threaten nearby populations of the bladderpod. The site also supports a good (B-ranked) occurrence of the globally imperiled (G2/S2) Gray's townsend-daisy (*Townsendia glabella*).

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>
23253	<i>Ipomopsis polyantha</i>	Pagosa skyrocket	G1	S1	Yes
18927	<i>Lesquerella pruinoso</i>	Pagosa bladderpod	G2	S2	No
18927	<i>Lesquerella pruinoso</i>	Pagosa bladderpod	G2	S2	Yes
18927	<i>Lesquerella pruinoso</i>	Pagosa bladderpod	G2	S2	Yes
20834	<i>Townsendia glabella</i>	Gray's townsend-daisy	G2	S2	Yes

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
166839	Lyon, P. 2001. Colorado Natural Heritage Program Field Surveys.
194256	Lyon, P. and J. Hanson. 2006. Final Report: 2005 Rare Plant Survey of San Juan Public Lands, Colorado. Colorado Natural Heritage Program, Fort Collins, CO.

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date 11/17/2005
Version Author Lyon, M.J.

Disclaimer

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