

Level 4 Potential Conservation Area (PCA) Report

Name Terrace Reservoir North

Site Code S.USCOHP*080

IDENTIFIERS

Site ID 1237 Site Class PCA
Site Alias The Canyon Site

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 372235N
State Colorado Longitude 1061634W

<u>Quad Code</u>	<u>Quad Name</u>
37106-C3	Terrace Reservoir
37106-D3	Greenie Mountain
37106-D2	Fulcher Gulch

County

Conejos (CO)

<u>Watershed Code</u>	<u>Watershed Name</u>
13010002	Alamosa-Trinchera

SITE DESCRIPTION

Minimum Elevation	8,400.00 Feet	2,560.32 Meters
Maximum Elevation	9,492.00 Feet	2,893.16 Meters

Site Description

The site includes open grasslands dominated by blue grama (*Bouteloua gracilis*), Arizona fescue (*Festuca arizonica*), and Richardson's hymenoxys (*Hymenoxys richardsonii*) and partially wooded areas with ponderosa pine (*Pinus ponderosa*), Douglas-fir (*Pseudotsuga menziesii*), pinyon pine (*Pinus edulis*), and juniper (*Juniperus* spp.). A well-used Forest Service Road runs through the site, as do several two-track roads. The area is grazed for a short period in the spring and fall as livestock are moved to and from Forest Service grazing allotments.

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 02/15/2000
Designer Pague, C.A.

Boundary Justification

The boundary encompasses the Ripley milkvetch locations and enough adjacent habitat to include open grasslands or savanna-like vegetation and the numerous small drainages downstream from known Ripley milkvetch locations. This boundary is intended to allow some seed dispersal into currently unoccupied but apparently suitable habitat and provide habitat for plant pollinators. Seed dispersal mechanisms considered important for this species are small mammals (presumably kangaroo rats) caching the seed pods and precipitation events washing the seeds downhill (Julie Burt - pers. comm.). A suspected pollinator of this plant is a common bee that could nectar on species other than Ripley milkvetch in the same habitat. Encompasses sub-populations and buffer. Most ecological processes are believed to be included.

Primary Area 1,769.95 Acres 716.28 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

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Biodiversity Significance Comments

The site contains a good occurrence of a plant species that is vulnerable on a global scale, Ripley milkvetch (*Astragalus ripleyi*). The occurrence of the Ripley milkvetch is large but some parts of the population may be degraded by impacts along the road and reservoir. Ripley milkvetch is only known from foothills of the San Juan Mountains in Conejos County and Taos and Rio Arriba counties, New Mexico.

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

Need to verify site boundaries with on-site investigation.

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>
18485	<i>Astragalus ripleyi</i>	Ripley milkvetch	G3	S2	Yes

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
165924	Kettler, S., J. Rocchio, R. Schorr, J. Burt. 2000. Biological Inventory of Rio Grande and Conejos Counties, Colorado. Unpublished report prepared for The Nature Conservancy. 234 pp.

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date 02/15/2000

Version Author Pague, C.A.

Disclaimer

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