

Level 4 Potential Conservation Area (PCA) Report

Name Perly Uplands

Site Code S.USCOHP*27120

IDENTIFIERS

Site ID 2481 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 371727N
State Colorado Longitude 1035020W

Quad Code Quad Name
37103-C7 Doss Canyon South

County
Las Animas (CO)

Watershed Code Watershed Name
11020010 Purgatoire

SITE DESCRIPTION

Minimum Elevation	5,200.00 Feet	1,584.96 Meters
Maximum Elevation	5,520.00 Feet	1,682.50 Meters

Site Description

Perly Uplands occupies the rolling hills and prairie land on the west side of Perly Canyon, near the top of its watershed. It is dissected by several un-named tributaries of Perly Creek and bounded on two sides by two track ranch roads. It is drawn to conserve the mixed grass prairie and the watershed area up the drainage from the community.

Key Environmental Factors

Surficial geology is a combination of Dakota sandstone and Purgatoire formation consisting of sandstone and shales (Tweto 1979). Soil type consists of the Wiley and Richfield series, which are described as very deep, well drained soils that formed in calcareous loess (SCS 1994).

Climate Description

The climate is semiarid and is typical of the high plains of southeastern Colorado where approximately 13 inches of precipitation is received annually. Most precipitation occurs between April and September, with May typically being the wettest month. Annually, climate of the area is characterized by cold winters and hot summers with winter temperatures as low as zero on at least several days and temperatures of over 100 °F occurring on many days in July and August (HPRCC 2008).

Land Use History

Land use has historically been dominated by ranching of sheep and cattle since the mid 1800's (Friedman 1985). This ranch, owned by the Colorado State Land Board, continues cattle ranching as the sole land use.

Cultural Features

No Data

SITE DESIGN

Site Map Y - Yes Mapped Date 04/04/2008
Designer Stevens, J.E.

Boundary Justification

The boundary contains the rolling hills and plains of deep soil that support the rare plant community. It is based on distribution of soils and drainage patterns. Although the soils, hydrologic, and topographic factors thought to be important to this element extend beyond the boundary, this area as drawn covers the minimum extent needed to maintain the known occurrence.

Primary Area 6,317.46 Acres 2,556.60 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B4: Moderate Biodiversity Significance

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Biodiversity Significance Comments

The site supports a fair (C-ranked) occurrence of a globally vulnerable (G3/S3) Great Plains mixed grass prairie community, *Hesperostipa neomexicana*.

Other Values Rank No Data

Other Values Comments

No Data

LAND MANAGEMENT ISSUES

Land Use Comments

Continue appropriate grazing regimes or incorporate periodic burning to stimulate regeneration and maintain species composition. Appropriate timing, intensity of grazing and periodic prescribed burning may be valuable and necessary management tools.

Natural Hazard Comments

No Data

Exotics Comments

No Data

Offsite

No Data

Information Needs

Additional occurrences may exist in the unsurveyed areas of similar soils, topography, and hydrology that extend beyond the site boundaries. Further field surveys are warranted.

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>
22673	<i>Hesperostipa neomexicana</i> Herbaceous Vegetation	Great Plains Mixed Grass Prairie	G3	S3	Yes

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
195120	Friedman, Paul D. 1985. Final Report of History and Oral History Studies of the Fort Carson Pinon Canyon Maneuver Area, Las Animas, Colorado. USDI. National Park Service, Interagency Archaeological Services Branch, Rocky Mountain Regional Office, Denver, CO.
195121	HPRCC. 2008. High Plains Regional Climate Center Web Page. Based on data from automated weather stations operated by Colorado for southeastern Colorado area. High Plains Regional Climate Center Web Page: < http://www.hprcc.unl.edu >
195097	Stevens, J., J. Sovell, D. Culver, K. Decker, L. Grunau, A. Lavender, and C. Gaughan. 2008. Final Report: Southeastern Colorado Survey of Critical Biological Resources 2007. Colorado Natural Heritage Program, Fort Collins, CO.
192747	Tweto, O. 1979. Geologic Map of Colorado, 1:500,000. United States Geological Survey, Department of Interior, and Geologic Survey of Colorado, Denver, CO.
193653	U.S. Department of Agriculture, Soil Conservation Service. 1994. State Soil Geographic (STATSGO) database for Colorado. Fort Worth, TX.

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date 04/04/2008
Version Author Stevens, J.E.

Disclaimer

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