

Level 4 Potential Conservation Area (PCA) Report

Name Plum Creek

Site Code S.USCOHP*25651

IDENTIFIERS

Site ID 2239 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 375942N
State Colorado Longitude 1021254W

Quad Code Quad Name

37102-H2	Durkee Creek NW
38102-A4	Carlton
38102-A3	Granada
37102-H3	North Plum Creek NE
38102-A2	Holly West
38102-A1	Holly East
37102-H1	Durkee Creek NE

County

Prowers (CO)
Hamilton (KS)

Watershed Code Watershed Name

11020013	Two Butte
11030001	Middle Arkansas-Lake Mckinney
11020009	Upper Arkansas-John Martin

SITE DESCRIPTION

Minimum Elevation - Feet - Meters
Maximum Elevation - Feet - Meters

Site Description

The site is mainly sandhill shrubland, agriculture, and central shortgrass prairie (SW regap).

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 10/31/2005
Designer Gaughan, C.R.

Boundary Justification

Site mapped by buffering Lesser Prairie-chicken leks by 1 km, roughly following the Western Great Plains Sandhill Shrubland from SW Regap to digitize boundaries at 1:100,000 between lek buffers, and bounded the east side with the Kansas border. SW Regap Sandhill Shrubland was followed because it includes the sandsage prairie which is a preferred habitat for the Lesser Prairie-chicken.

Primary Area 52,570.84 Acres 21,274.75 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

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Biodiversity Significance Comments

The site supports a good (B-ranked) occurrence of the globally vulnerable (G3/S2) Lesser Prairie-chicken. Populations of this species are in decline.

Other Values Rank V? - Unknown

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

Evaluate global imperilment rank for Lesser Prairie-chicken. Species is declining. If rank changes, the biodiversity significance of this site would increase. Contact CDOW for protection and management information.

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>
18701	<i>Tympanuchus pallidicinctus</i>	Lesser Prairie-chicken	G3	S2	Yes

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
193503	RS/GIS Laboratory, College of Natural Resources, Utah State University. 2004. 'PROVISIONAL' Digital Landcover Dataset for the Southwestern United States. Version 1.0. Online: http://earth.gis.usu.edu/swgap .
192686	Yost, Jeffery. 2002. CDOW Lesser Prairie Chicken Breeding Survey lek data.
192748	Yost, Jeffery. 2005. Missing data for most recent active surveys of Lesser Prairie-chicken leks.
192685	Yost, Jeffrey. 2004. CDOW Lesser Prairie Chicken Breeding Survey lek data.

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date 10/31/2005
Version Author Gaughan, C.R.

Disclaimer

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