

# Level 4 Potential Conservation Area (PCA) Report

Name Republican River Sandhills

Site Code S.USCOHP\*26131

## IDENTIFIERS

Site ID 2337 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 400519N  
State Colorado Longitude 1023159W

<u>Quad Code</u>	<u>Quad Name</u>
40102-D4	Fiddler Peak
40102-D3	Wauneta NE
40102-D2	Alvin NW
40102-D1	Alvin NE
40102-B8	Otis
40102-B5	Yuma NE
40102-B4	Eckley NW
40102-B3	Eckley NE
40102-B2	Wray NW
40102-B1	Wray NE
40102-E4	Paoli
40102-E3	Holyoke
40102-E2	Amherst SW
40102-E1	Amherst SE
40102-C5	Clarkville SE
40102-C4	Old Baldy
40102-C3	Wauneta
40102-C2	Alvin SW
40102-C1	Alvin
39102-F8	Cope NW
39102-F7	Cope
39102-F6	Joes
39102-F5	Adler Creek
39103-H1	Elba NE
39102-H8	De Nova NW
39102-H7	De Nova NE
39102-H6	Beverly Grove
39102-H5	Heartstrong
39102-H4	Vernon NW
39102-H3	Vernon
39102-G8	De Nova
39102-G7	De Nova SE
39102-G6	Abarr
39102-G5	Abarr SE
39102-G4	Vernon SW
39102-G3	Wildcat Canyon
40103-A1	Akron SE
40102-A8	Snyder Lake
40102-A7	Otis SE
40102-A6	Yuma South
40102-A5	Schramm

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40102-A4 Eckley  
40102-A3 Robb  
40102-A2 Wray  
40102-A1 Laird  
39102-F4 Spring Canyon  
39102-F3 Idalia

## County

Washington (CO)  
Yuma (CO)  
Phillips (CO)

## Watershed Code      Watershed Name

10250001      Arikaree  
10250003      South Fork Republican  
10250002      North Fork Republican  
10250004      Upper Republican  
10250005      Frenchman

## SITE DESCRIPTION

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

## Site Description

The site includes the vast sandhills overlying the Ogallala Aquifer to the north of the Arikaree River and South of Frenchman Creek. The sandhills cover about 50 miles north to south and 50 miles east to west (within Colorado).

## 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**      02/28/2006  
**Designer**      Doyle, G.A.

## Boundary Justification

The boundary includes the relatively intact sand sage prairie as mapped by the Colorado Division of Wildlife's Basinwide Vegetation Mapping program (2001). Large areas of dryland and irrigated agriculture are excluded except where Greater Prairie Chicken have been documented.

**Primary Area**      999,665.63      **Acres**      404,551.94      **Hectares**

## SITE SIGNIFICANCE

**Biodiversity Significance Rank**      B4: Moderate Biodiversity Significance

## Biodiversity Significance Comments

This is the best and largest occupied area of Greater Prairie Chicken (*Tympanuchus cupido pinnatus*) habitat in Colorado. The site includes one good (B-ranked), one good to fair (BC-ranked) and two fair (C-ranked) occurrences of this globally apparently secure (G4T4), state vulnerable (S3) bird.

**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

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>
23410	<i>Tympanuchus cupido pinnatus</i>	Greater Prairie Chicken	G4T4	S3	No
23410	<i>Tympanuchus cupido pinnatus</i>	Greater Prairie Chicken	G4T4	S3	No
23410	<i>Tympanuchus cupido pinnatus</i>	Greater Prairie Chicken	G4T4	S3	No
23410	<i>Tympanuchus cupido pinnatus</i>	Greater Prairie Chicken	G4T4	S3	Yes

## REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
193570	Colorado Division of Wildlife. 2001-2003. Basinwide Vegetation Classification. Online at <a href="http://www.ndis.nrel.colostate.edu">http://www.ndis.nrel.colostate.edu</a> .

## ADDITIONAL TOPICS

### Additional Topics

No Data

## VERSION

Version Date 02/28/2006

Version Author Doyle, G.A.

## Disclaimer

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