

Level 4 Potential Conservation Area (PCA) Report

Name Bonny Prairie

Site Code S.USWRO1*1223

IDENTIFIERS

Site ID 671 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 393810N
State Colorado Longitude 1021156W

Quad Code Quad Name

39102-E2 Bonny Reservoir South
39102-F2 Bonny Reservoir North

County

Yuma (CO)

Watershed Code Watershed Name

10250003 South Fork Republican

SITE DESCRIPTION

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

Site Description

Site encompasses normal pool elevation marker and high water floodplains and includes approximately one mile of the four northwestern streams entering the reservoir. Soil is Colby silt loam of the Ogallala formation with loess mantle. Slope is 0-20%.

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 05/07/1997
Designer Kittel, G.M.

Boundary Justification

The southern boundary is marked by the reservoir's normal pool elevation while the northern boundary is the high water mark for the reservoir. The eastern edge parallels the reservoir dam and the landing strip, encompassing the eastern most portion of the Loess prairie plant community. The western edge is bordered by Armknecht Creek. This boundary will protect the occurrences from direct impacts but will not encompass the area necessary to protect the natural ecological processes.

Primary Area 1,461.40 Acres 591.41 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B4: Moderate Biodiversity Significance

Biodiversity Significance Comments

This site includes a fair (C-ranked) occurrence of a globally vulnerable (G3/S1?) Loess prairie (*Schizachyrium scoparium* - *Bouteloua curtipendula*) plant community, and a fair occurrence of a globally vulnerable (G3/S1) plant species, prairie moonwort (*Botrychium campestre*).

Other Values Rank No Data

Other Values Comments

No Data

Level 4 Potential Conservation Area (PCA) Report

Name Bonny Prairie

Site Code S.USWRO1*1223

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 Rank</u>	<u>State Rank</u>	<u>Driving Site Rank</u>
<u>State ID</u>	<u>State Scientific Name</u>	<u>State Common Name</u>			
22439	<i>Botrychium campestre</i>	prairie moonwort	G3G4	S1	Yes
19088	<i>Schizachyrium scoparium - Bouteloua curtipendula</i> Loess Mixedgrass Herbaceous Vegetation	Loess Prairie	G3?	S1?	Yes

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
161185	Baker, W.L. 1981. Field Survey to Bonny Reservoir of August 21, 1981.

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date 05/07/2003

Version Author Bell, J.B.

Disclaimer

Level 4 Potential Conservation Area (PCA) Report

Name Bonny Prairie

Site Code S.USWRO1*1223

These data are a product and property of Colorado State University, Colorado Natural Heritage Program (CNHP). These data are strictly "on loan" and should be considered "works in progress". Data maintained in the Colorado Natural Heritage Program database are an integral part of ongoing research at CSU and reflect the observations of many scientists, institutions and our current state of knowledge. These data are acquired from various sources, with varying levels of accuracy, and are continually being updated and revised. Many areas have never been surveyed and the absence of data in any particular geographic area does not necessarily mean that species or ecological communities of concern are not present. These data should not be regarded as a substitute for on-site surveys required for environmental assessments. Absence of evidence is NOT evidence of absence. Absence of any data does not mean that other resources of special concern do not occur, but rather CNHP files do not currently contain information to document this presence. CNHP is not responsible for whether other, non-CNHP data providers have secured landowner permission for data collected.

These data are provided for non-commercial purposes only. Under no circumstances are data to be distributed in any fashion to outside parties. To ensure accurate application of data, tabular and narrative components must be evaluated in conjunction with spatial components. Failure to do so constitutes a misuse of the data. The Colorado Natural Heritage Program shall have no liability or responsibility to the data users, or any other person or entity with respect to liability, loss, or damage caused or alleged to be caused directly or indirectly by the data, including but not limited to any interruption of service, loss of business, anticipatory profits or indirect, special, or consequential damages resulting from the use of operation of the data. Data users hereby agree to hold CNHP, Colorado State University, and the State of Colorado harmless from any claim, demand, cause of action, loss, damage or expense from or related to data users use of or reliance on the data, regardless of the cause or nature thereof, and even in the event that such cause is attributable to the negligence or misconduct of CNHP.

These data are provided on an as-is basis, as-available basis without warranties of any kind, expressed or implied, INCLUDING (BUT NOT LIMITED TO) WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. Although CNHP maintains high standards of data quality control, CNHP, Colorado State University, and the State of Colorado further expressly disclaim any warranty that the data are error-free or current as of the date supplied