

# Level 4 Potential Conservation Area (PCA) Report

Name Vermillion Creek Corner

Site Code S.USWRO1\*17

## IDENTIFIERS

Site ID 445 Site Class PCA  
Site Alias Vermillion Creek Falls  
Site Alias Bull Canyon at Big Joe Basin  
Site Alias Pablo Spring

## Network of Conservation Areas (NCA)

NCA Site ID NCA Site Code NCA Site Name  
- No Data

## LOCATORS

Nation United States Latitude 404454N  
State Colorado Longitude 1084637W

Quad Code Quad Name  
40108-F7 Jack Springs  
40108-G7 Big Joe Basin  
40108-F6 Vermillion Mesa  
40108-G6 Irish Canyon

County  
Moffat (CO)

Watershed Code Watershed Name  
14040109 Vermilion

## SITE DESCRIPTION

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

### Site Description

The site encompasses the flats above the north bank of Vermillion Creek at the point where the creek turns to the northwest. Here the Browns Park formation is exposed below Cold Spring Mountain.

### 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 08/26/2008  
Designer Decker, K.L.

### Boundary Justification

The boundary includes the known element occurrences and a buffer to protect the site from direct disturbances.

Primary Area 4,576.69 Acres 1,852.13 Hectares

## SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

### Biodiversity Significance Comments

Rank is based on a good to fair (BC-ranked) occurrence of a globally imperiled (G2/S1S2) cold desert shrubland community, *Atriplex confertifolia* / *Hesperostipa comata*. There are also excellent to good (AB-ranked) occurrences of the state rare (G4G5/S2?) western slope sagebrush shrubland, *Artemisia nova* / *Pseudoroegneria spicata*. Historical occurrences of the globally rare plants woodside buckwheat (*Eriogonum tumulosum*), ligulate feverfew (*Bolophyta ligulata*), Bessey locoweed (*Oxytropis besseyi* var. *obnapiformis*) and Yampa beardtongue (*Penstemon acaulis* var. *yampaensis*) were documented in the 1980s. Current field

# Level 4 Potential Conservation Area (PCA) Report

Name Vermillion Creek Corner

Site Code S.USWRO1\*17

surveys are needed to verify the condition of the rare plants.

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 field survey to verify the quality of rare plant populations.

**ASSOCIATED ELEMENTS OF BIODIVERSITY**

<u>Element State ID</u>	<u>State Scientific Name</u>	<u>State Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>	<u>Driving Site Rank</u>
24309	<i>Eriogonum tumulosum</i>	woodside buckwheat	G3Q	S2	No
23998	<i>Bolophyta ligulata</i>	ligulate feverfew	G3	S2	No
24878	<i>Atriplex confertifolia</i> / <i>Hesperostipa comata</i> Shrubland	Cold Desert Shrublands	G2	S1S2	Yes
24584	<i>Artemisia nova</i> / <i>Pseudoroegneria spicata</i> Shrubland	Western Slope Sagebrush Shrublands	G4G5	S2?	No
21409	<i>Penstemon acaulis</i> var. <i>yampaensis</i>	Yampa beardtongue	G3Q	S3	No
24584	<i>Artemisia nova</i> / <i>Pseudoroegneria spicata</i> Shrubland	Western Slope Sagebrush Shrublands	G4G5	S2?	No
24309	<i>Eriogonum tumulosum</i>	woodside buckwheat	G3Q	S2	No
24584	<i>Artemisia nova</i> / <i>Pseudoroegneria spicata</i> Shrubland	Western Slope Sagebrush Shrublands	G4G5	S2?	No
20295	<i>Oxytropis besseyi</i> var. <i>obnapiformis</i>	Bessey locoweed	G5T2	S2	No

**REFERENCES**

<u>Reference ID</u>	<u>Full Citation</u>
-	No Data

**ADDITIONAL TOPICS**

**Additional Topics**

Original site design by Loar, A. 1997-01-18.

**VERSION**

<b>Version Date</b>	01/18/1997
<b>Version Author</b>	Loar, A.M.

**Disclaimer**

# Level 4 Potential Conservation Area (PCA) Report

**Name** Vermillion Creek Corner

**Site Code** S.USWRO1\*17

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