

Level 4 Potential Conservation Area (PCA) Report

Name Jimmy Creek at Frenchwoman Creek

Site Code S.USCOHP*6355

IDENTIFIERS

Site ID 573 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 405409N
State Colorado Longitude 1055443W

Quad Code Quad Name
40105-H8 Crazy Mountain

County
Larimer (CO)

Watershed Code Watershed Name
10180010 Upper Laramie

SITE DESCRIPTION

Minimum Elevation	8,000.00	Feet	2,438.40	Meters
Maximum Elevation	8,040.00	Feet	2,450.59	Meters

Site Description

Jimmy Creek is a perennial creek flowing at the west base of low, sedimentary mountains and along the eastern edge of a large, relatively flat river terrace that was probably formed at the end of the last ice age (around 13,000 years ago at the close of the Pleistocene). Several creeks flow out of the mountains into Jimmy Creek, and the creek is also fed by spring flow out of the ancient river terrace on the west side of the creek. The creek is separated by a low ridge from several shallow ponds (both permanent and ephemeral) that are fed by ground water seeping to the surface, the same ground water that feeds the creek. West of the creek and upstream are irrigated fields used to grow non-native grasses. The pale blue-eyed grass (*Sisyrinchium pallidum*) is found in a wet meadow fed by overflow from Jimmy Creek, ground water from the creek, and especially ground water seeping to the surface from the river terrace to the west.

Key Environmental Factors

No Data

Climate Description

No Data

Land Use History

No Data

Cultural Features

No Data

SITE DESIGN

Site Map Y - Yes Mapped Date 12/12/1996

Designer Sanderson, J.S.

Boundary Justification

The site boundary includes the known location of the element, adjacent natural wet meadows, the creek itself, and a buffer of approximately 500 feet to protect from direct impacts to the plant. The element could occur along a much larger stretch of Jimmy Creek.

Primary Area 167.44 Acres 67.76 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

Biodiversity Significance Comments

This site contains a fair (C-ranked) occurrence of pale blue-eyed grass (*Sisyrinchium pallidum*), a globally imperiled (G2G3/S2) wetland plant. It also contains an unranked occurrence of state rare (G4/S1) plant Rocky Mountain Ragwort (*Packera debilis*). The site is in fair condition, containing mostly native species, but

Level 4 Potential Conservation Area (PCA) Report

Name Jimmy Creek at Frenchwoman Creek
with much evidence of past and current agricultural use.

Site Code S.USCOHP*6355

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

The inventory of *Sisyrinchium pallidum* at this site was done after the most important character for distinguishing this species, flower color, was gone. A full inventory of this site during *Sisyrinchium pallidum*'s flowering period is 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>
21615	<i>Sisyrinchium pallidum</i>	pale blue-eyed grass	G2G3	S2	Yes
22365	<i>Packera debilis</i>	Rocky Mountain ragwort	G4	S1	No

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
198407	Culver, D.R., K. Decker, J. Parker, J. Bell, J. Sovell, and J. Huggins. 2010. CNHP Final Report: Identification and Assessment of Important Wetlands within the North Platte Watershed, CO. Colorado Natural Heritage Program, Fort Collins, CO.
192692	Doyle, G.A., S.L. Neid and R.J. Rondeau. 2005. Final Report: Survey of Critical Biological Resources, Larimer County, Colorado. Colorado Natural Heritage Program, Fort Collins, CO.
166568	Kettler, S., J. Sanderson, S. Spackman, K. Fayette, C. Pague, D. Clark, and A. Hicks. 1996. Final Report: Significant plant, animal, and wetland resources of Larimer County and their conservation. Colorado Natural Heritage Program, Fort Collins, CO.

ADDITIONAL TOPICS

Additional Topics

Site updated by Doyle, G.A. 2005-03-18.

VERSION

Version Date 12/09/2009

Version Author Culver, D.R.

Disclaimer

Level 4 Potential Conservation Area (PCA) Report

Name Jimmy Creek at Frenchwoman Creek

Site Code S.USCOHP*6355

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