

# Level 4 Potential Conservation Area (PCA) Report

Name Hot Creek

Site Code S.USWRO1\*572

## IDENTIFIERS

Site ID 696 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 371745N  
State Colorado Longitude 1061449W

<u>Quad Code</u>	<u>Quad Name</u>
37106-C3	Terrace Reservoir
37106-C2	Centro

County  
Conejos (CO)

<u>Watershed Code</u>	<u>Watershed Name</u>
13010002	Alamosa-Trinchera

## SITE DESCRIPTION

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

Site Description  
No Data

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 02/15/2000  
Designer Pague, C.A.

### Boundary Justification

Captures community boundaries and reaches of stream considered to be suitable habitat for the butterfly. Also includes known area of plant communities and small mammal occurrences. Hydrological processes supporting cottonwood stands are not incorporated.

Primary Area 2,797.60 Acres 1,132.15 Hectares

## SITE SIGNIFICANCE

Biodiversity Significance Rank B2: Very High Biodiversity Significance

### Biodiversity Significance Comments

This site contains an excellent (A-ranked) occurrence of the globally vulnerable (G3/S1?) Rio Grande chub (*Gila pandora*), an excellent (A-ranked) occurrence of the globally vulnerable (G3G4/S1) Rio Grande sucker (*Catostomus plebeius*), a good (B-ranked) occurrence of the globally vulnerable (G3/S3) thinleaf alder (*Alnus incana*) / mesic forb riparian shrubland, a good (B-ranked) occurrence of the globally vulnerable (G3?/S3) beaked sedge (*Carex utriculata*) perched wetland and an excellent (A-ranked) occurrence of the globally vulnerable (G3/S3) rock-loving neoparrya (*Aletes lithophilus*). Other high quality mammal subspecies and common plant communities are also within the site. The Great Basin Silverspot butterfly (*Speyeria nokomis nokomis*) was documented in fair (C-ranked) condition. This subspecies is considered globally critically imperiled (G3T1/S1). The high concentration of good quality occurrences of globally vulnerable elements merits the very high biodiversity significance rank.

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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 to verify boundaries with on-site investigation. Need to incorporate information on the *Pinus ponderosa* / *Festuca arizonica* community. Suckers are in Hot Creek. Need to get data from John Alves - fish biologist - in Monte Vista (852-4783). Did shocking for genetics work.

**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>
40629	<i>Carex utriculata</i> Perched Wetland Herbaceous Vegetation	Beaked Sedge Perched Wetland	G3?	S3	Yes
24867	<i>Picea pungens</i> / <i>Cornus sericea</i> Woodland	Montane Riparian Forest	G4	S2	No
18485	<i>Astragalus ripleyi</i>	Ripley milkvetch	G3	S2	No
22904	<i>Aletes lithophilus</i>	rock-loving neoparrya	G3	S3	Yes
17332	<i>Perognathus flavus sanluisi</i>	Silky Pocket Mouse Subsp	G5T3	S3	No
24645	<i>Alnus incana</i> / Mesic Forbs Shrubland	Thinlineaf Alder/Mesic Forb Riparian Shrubland	G3	S3	Yes
24558	<i>Pinus ponderosa</i> / <i>Festuca arizonica</i> Woodland	Lower Montane Forests	G4	S4	No
24605	<i>Pseudotsuga menziesii</i> / <i>Juniperus communis</i> Forest	Lower Montane Forests	G4	S1S2	No
19189	<i>Gila pandora</i>	Rio Grande Chub	G3	S1?	Yes
16900	<i>Speyeria nokomis nokomis</i>	Great Basin Silverspot Butterfly	G3T1	S1	No
22639	<i>Thomomys bottae pervagus</i>	Botta's Pocket Gopher Subsp	G5T3	S3	No
24074	<i>Catostomus plebeius</i>	Rio Grande Sucker	G3G4	S1	Yes

**REFERENCES**

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

**ADDITIONAL TOPICS**

**Additional Topics**

No Data

**VERSION**

<b>Version Date</b>	02/15/2000
<b>Version Author</b>	Pague, C.A.

**Disclaimer**

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