

Level 4 Potential Conservation Area (PCA) Report

Name Jumper and Trout Creeks

Site Code S.USCOHP2*2092

IDENTIFIERS

Site ID 805 Site Class PCA
Site Alias Jumper Creek

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 373832N
State Colorado Longitude 1070304W

Quad Code Quad Name

| | |
|----------|--------------------|
| 37107-F1 | Workman Creek |
| 37107-F2 | Little Squaw Creek |
| 37106-F8 | Spar City |
| 37107-E1 | Palomino Mountain |
| 37106-E8 | South River Peak |
| 37107-E2 | Cimarrona Peak |

County

Mineral (CO)
Hinsdale (CO)

| <u>Watershed Code</u> | <u>Watershed Name</u> |
|-----------------------|-----------------------|
| 13010001 | Rio Grande headwaters |

SITE DESCRIPTION

| | | | | |
|--------------------------|-----------|-------------|----------|---------------|
| Minimum Elevation | 9,000.00 | Feet | 2,743.00 | Meters |
| Maximum Elevation | 11,880.00 | Feet | 3,621.00 | Meters |

Site Description

The Jumper and Trout Creek site includes the watershed with the only known breeding population remaining for the boreal toad (*Bufo boreas* pop. 1) in the San Juan Range. There are two known active breeding ponds and many other recent toad sightings in the area. The site is within a montane spruce - fir forest, some of which is managed as a logging area by the Rio Grande National Forest. Below the Jumper-Trout Creek confluence, the stream widens and supports a riparian area with narrowleaf cottonwood (*Populus angustifolia*) and thinleaf alder (*Alnus incana*). At the lowest reach of Middle Creek there is a known population of Mossy Valvata (*Valvata sincera*), a state rare mollusk.

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 05/15/2008
Designer Gaughan, C.R.

Boundary Justification

The boundary drawn encompasses the existing boreal toad breeding population, boreal toad sightings, an occurrence of the Mossy Valvata, and the riparian community of Jumper Creek.

| | | | | |
|---------------------|-----------|--------------|-----------|-----------------|
| Primary Area | 52,500.71 | Acres | 21,246.37 | Hectares |
|---------------------|-----------|--------------|-----------|-----------------|

SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

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Biodiversity Significance Comments

This site supports the best and only remaining breeding population for the globally critically imperiled (G4T1Q/S1) boreal toad in the San Juan Range. This population is in good to fair (BC-ranked) condition. The toad was once common in many parts of Colorado, including the San Juans, but has been steadily declining for the past 20 years (Goettl 1997), with less than 20 high priority breeding sites remaining in Colorado (Steve Corn, pers. comm.; Lauren Livo, pers. comm., as cited in Colorado Natural Heritage Program 1997). In addition, there are excellent (A-ranked) examples of a globally vulnerable (G3/S3) montane riparian forest (*Populus angustifolia* - *Picea pungens* / *Alnus incana*) and a globally vulnerable (G3/S3) montane riparian shrubland (*Alnus incana* - *Salix drummondiana*). Mossy Valvata (*Valvata sincera*), a state rare (G5/S3) invertebrate, occurs at the lower elevations. The Soward Ranch ponds harbor the only known Mineral County occurrence of the Mossy Valvata.

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

Additional inventory of this and adjacent areas warranted.

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> |
|-------------------------|---|--|--------------------|-------------------|--------------------------|
| 24743 | <i>Alnus incana</i> - <i>Salix drummondiana</i> Shrubland | Montane Riparian Shrubland | G3 | S3 | Yes |
| 24823 | <i>Populus angustifolia</i> - <i>Picea pungens</i> / <i>Alnus incana</i> Woodland | Montane Riparian Forests | G3 | S3 | Yes |
| 17909 | <i>Valvata sincera</i> | Mossy Valvata | G5 | S3 | No |
| 20351 | <i>Bufo boreas</i> pop. 1 | Boreal Toad (Southern Rocky Mountain Population) | G4T1Q | S1 | Yes |

REFERENCES

| <u>Reference ID</u> | <u>Full Citation</u> |
|---------------------|---|
| 170599 | Goettl, J. P. Jr., and The Boreal Toad Recovery Team. 1997. Boreal Toad (<i>Bufo boreas boreas</i>) (Southern Rocky Mountain Population), Recovery Plan. Colorado Division of Wildlife, Denver. |
| 195181 | Husung, B. and J. Alves. 1998. Boreal toad surveys in the South San Juan Mountains of Colorado. Monte Vista, CO: Department of Natural Resources, Colorado Division of Wildlife. |
| 194565 | Neid, S.L. and J.R. Jones. 2008. Final Report: Survey of Critical Wetlands and Riparian Areas in Hinsdale County. Colorado Natural Heritage Program, Fort Collins, CO. |

ADDITIONAL TOPICS

Additional Topics

Original site design by Rondeau, R.J. 1998-12-10.

VERSION

Version Date 05/15/2008
Version Author Gaughan, C.R.

Disclaimer

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