

# Level 4 Potential Conservation Area (PCA) Report

Name Pitkin/Booth Creek

Site Code S.USCOHP\*3993

## IDENTIFIERS

Site ID 1695 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>
1308	S.USCOHP*4412	Upper Eagle River

## LOCATORS

Nation United States Latitude 394001N  
State Colorado Longitude 1061749W

### Quad Code Quad Name

39106-F3 Vail East

### County

Eagle (CO)

### Watershed Code Watershed Name

14010001 Colorado headwaters  
14010003 Eagle

## SITE DESCRIPTION

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

### Site Description

The headwaters of Pitkin and Booth creeks originate high in the Gore Range and are defined by alpine habitat. The creeks flow down through subalpine and montane habitats to the confluence with Gore Creek, where I-70 bisects this site. The southern arm of this site is marked by cliffs that provide waterfalls through a mesic microclimate in an aspen forest. The site covers 6,721 acres and ranges in elevation from 8,300-12,600 feet.

### 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 02/28/2000

Designer Wunder, M.B.

### Boundary Justification

The full extent of the watersheds immediate to Pitkin and Booth creeks was included to indicate that activities within these watersheds have the potential to impact the local hydrology and therefore the cutthroat trout and vegetation communities present. The boundaries were extended across I-70 at the southern end to encompass the nesting locations of black swifts and the boreal toad breeding pond. While activities on Gore Creek upstream of the boreal toad breeding pond have the potential to affect the toads, the boundaries were not extended to include that watershed, but this potential is noteworthy.

Primary Area 6,724.16 Acres 2,721.18 Hectares

## SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

### Biodiversity Significance Comments

This area supports two good (B-ranked) occurrences of the Colorado River cutthroat trout (*Oncorhynchus clarkii pleuriticus*), a globally rare (G4T3/S3) subspecies, and a breeding population of globally critically imperiled boreal toad (*Bufo boreas* pop. 1), in fair condition. The site also supports the occurrence of a globally rare plant community and nesting habitat for the Black Swift, a state rare bird.

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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

Hydrological processes originating outside of the planning boundary, including water quality, quantity, and timing, must be managed to maintain the population viability.

### Information Needs

For more information regarding this site, refer to Kuehn et al. 08-06-1992 Pitkin Creek status report provided to CNHP via Tom Johnston.

## 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>
20351	<i>Bufo boreas</i> pop. 1	Boreal Toad (Southern Rocky Mountain Population)	G4T1Q	S1	Yes
21796	<i>Oncorhynchus clarkii pleuriticus</i>	Colorado River Cutthroat Trout	G4T3	S3	Yes
24514	<i>Salix monticola</i> / <i>Calamagrostis canadensis</i> Shrubland	Montane Willow Carr	G3	S3	No
21796	<i>Oncorhynchus clarkii pleuriticus</i>	Colorado River Cutthroat Trout	G4T3	S3	Yes
23518	<i>Cypseloides niger</i>	Black Swift	G4	S3B	No
23518	<i>Cypseloides niger</i>	Black Swift	G4	S3B	No

## REFERENCES

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

## ADDITIONAL TOPICS

### Additional Topics

No Data

## VERSION

Version Date 02/28/2000  
Version Author Wunder, M.B.

## Disclaimer

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