

Level 4 Potential Conservation Area (PCA) Report

Name East Lake Creek

Site Code S.USCOHP*6960

IDENTIFIERS

Site ID 2026 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
1806	S.USCOHP*4413	Upper Fryingpan

LOCATORS

Nation United States Latitude 392822N
State Colorado Longitude 1063347W

Quad Code Quad Name

39106-D5 Mount Jackson
39106-E5 Grouse Mountain

County

Eagle (CO)

Watershed Code Watershed Name

14010004 Roaring Fork
14010003 Eagle

SITE DESCRIPTION

Minimum Elevation 9,800.00 Feet 2,987.04 Meters
Maximum Elevation 13,670.00 Feet 4,166.62 Meters

Site Description

This site includes the East Lake Creek headwaters that occur in the high mountains of the Holy Cross Range and then descend through the subalpine. This stretch of the creek covers approximately 5 miles (approximately 8,168 acres) and drops almost 4,000 feet in elevation (9,800-13,670 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 entire upper East Lake Creek watershed is included in the boundary. The current hydrologic regime is necessary to allow for the persistence of high-quality plant associations, and any actions within the boundaries of the watershed have the potential to impact the elements of biodiversity present in the area.

Primary Area 8,181.85 Acres 3,311.09 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B2: Very High Biodiversity Significance

Biodiversity Significance Comments

The East Lake Creek headwaters include two globally common plant associations (*Deschampsia caespitosa* - *Ligusticum tenuifolium* herbaceous vegetation and *Cardamine cordifolia* - *Mertensia ciliata* herbaceous vegetation) and one globally imperiled (G2G3/S2S3) plant association (*Danthonia intermedia* herbaceous vegetation) that are in excellent condition. These occurrences are important as exemplary sites and to preserve in this high quality condition. More significantly, this site contains a fair (C-ranked) example of a breeding population of the globally critically imperiled (G4T1Q/S1) boreal toad (*Bufo boreas* pop. 1).

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Currently, this site represents the best known occurrence of boreal toads in Eagle County. The headwaters of this drainage also support a hybridized population of the globally vulnerable (G4T3/S3) Colorado River cutthroat trout (*Oncorhynchus clarkii pleuriticus*).

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

No Data

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>
18621	<i>Danthonia intermedia</i> Herbaceous Vegetation	Montane Grasslands	G2G3	S2S3	Yes
24527	<i>Deschampsia caespitosa - Ligusticum tenuifolium</i> Herbaceous Vegetation	Mesic Alpine Meadows	GU	SU	No
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	No
24679	<i>Cardamine cordifolia - Mertensia ciliata</i> Herbaceous Vegetation	Alpine Wetlands	G4	S4	No

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
194407	Fayette, K., Wunder, M. and S. Schneider. 2000. Final Report: Biological Survey of Eagle County 2000. Colorado Natural Heritage Program, Fort Collins, CO.

ADDITIONAL TOPICS

Additional Topics

Original site design by Fayette, K.K. 1997-02-26.

VERSION

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

Disclaimer

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