

Level 4 Potential Conservation Area (PCA) Report

Name Polk Creek

Site Code S.USCOHP*4018

IDENTIFIERS

Site ID 1993 Site Class PCA
Site Alias Black Gore Creek

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 393504N
State Colorado Longitude 1061402W

Quad Code Quad Name

39106-E2 Vail Pass
39106-E3 Red Cliff

County

Eagle (CO)

Watershed Code Watershed Name

14010002 Blue
14010003 Eagle

SITE DESCRIPTION

Minimum Elevation 9,200.00 Feet 2,804.16 Meters
Maximum Elevation 12,400.00 Feet 3,779.52 Meters

Site Description

Polk Creek flows through subalpine and montane habitats and includes 4,519 acres ranging in elevation from 9,200-12,400 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 boundary encompasses the immediate watershed in which the Colorado River cutthroat trout occur. The immediate watershed is included to illustrate that activities occurring within this area have the potential to impact both the fishery and the riparian vegetation community.

Primary Area 4,510.90 Acres 1,825.51 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

Biodiversity Significance Comments

This site includes the watersheds of both Polk and Miller Creek. Polk Creek supports a globally rare (G3/S3) *Picea pungens* / *Alnus incana* riparian community in excellent (A-ranked) condition. The globally rare (G4T3/S3) Colorado River cutthroat trout (*Oncorhynchus clarkii pleuriticus*) occurs in both Polk and Miller Creeks, although there is some indication of hybridization in these populations.

Other Values Rank No Data

Other Values Comments

No Data

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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 population and community viability.

Information Needs

No Data

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> |
| 21796 | <i>Oncorhynchus clarkii pleuriticus</i> | Colorado River Cutthroat Trout | G4T3 | S3 | Yes |
| 24518 | <i>Picea pungens</i> / <i>Alnus incana</i> Woodland | Montane Riparian Forests | G3 | S3 | Yes |
| 21796 | <i>Oncorhynchus clarkii pleuriticus</i> | Colorado River Cutthroat Trout | G4T3 | S3 | Yes |

REFERENCES

Reference ID Full Citation

- No Data

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date 02/28/2000

Version Author Wunder, M.B.

Disclaimer

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