

# Level 4 Potential Conservation Area (PCA) Report

Name Cascade Creek East

Site Code S.USCOHP\*13489

## IDENTIFIERS

Site ID 172 Site Class PCA  
Site Alias Cascade 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 385418N  
State Colorado Longitude 1050032W

<u>Quad Code</u>	<u>Quad Name</u>
38105-H1	Woodland Park
38104-H8	Cascade

### County

El Paso (CO)  
Teller (CO)

<u>Watershed Code</u>	<u>Watershed Name</u>
11020003	Fountain

## SITE DESCRIPTION

Minimum Elevation	8,490.00 Feet	2,587.75 Meters
Maximum Elevation	9,390.00 Feet	2,862.07 Meters

### Site Description

This site follows Cascade Creek near its headwaters for approximately two miles before it drains into Fountain Creek near the town of Cascade. The creek is mostly willow dominated and is paralleled by the Pikes Peak Highway for almost its entire length. Lodgepole pine (*Pinus contorta*), Engelmann spruce (*Picea engelmannii*), limber pine (*Pinus flexilis*), and aspen (*Populus tremuloides*) surround the open grassy meadows which support the globally rare plant species.

### Key Environmental Factors

No Data

### Climate Description

No Data

### Land Use History

No Data

### Cultural Features

No Data

## SITE DESIGN

Site Map Y - Yes Mapped Date 09/08/1998  
Designer Fayette, K.K.

### Boundary Justification

The site includes the occurrences and a buffer to protect against direct disturbances. Little is known about the habitat needs or biology of *Botrychium* species. Additional information may expand the boundary. The current boundary is considered the least amount of area needing some protection.

Primary Area	567.56 Acres	229.68 Hectares
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## SITE SIGNIFICANCE

Biodiversity Significance Rank B2: Very High Biodiversity Significance

### Biodiversity Significance Comments

This site supports a good (B-ranked) occurrence of narrowleaf grapefern (*Botrychium lineare*), a globally imperiled (G2/S1?) plant species. This species is known from very widely scattered locations in Colorado, Oregon, California, Montana, Idaho, South Dakota, Quebec, and New Brunswick. This population on Pikes Peak is one of the largest documented at any of these locations. Monitoring between 1999 and 2005 has recorded from 20 to 44 above ground plants (Cameron 2005). There is also an extant occurrence of the

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globally vulnerable (G3?/S3?) jeweled blazingstar (*Nuttallia speciosa*).

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

Toadflax (*Linaria vulgaris*) has been documented along the road.

### Offsite

No Data

### Information Needs

Little is known about the habitat needs or biology of *Botrychium* species.

## 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>
20538	<i>Botrychium lineare</i>	narrowleaf grapefern	G2?	S1	Yes
20538	<i>Botrychium lineare</i>	narrowleaf grapefern	G2?	S1	No
21549	<i>Nuttallia speciosa</i>	jeweled blazingstar	G3	S3	No

## REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
193474	Cameron, George. 2005. Monitoring <i>Botrychium lineare</i> on Pikes Peak, July 5, 2005.
193473	Popovich, Steve J. 2004. <i>Botrychium lineare</i> Population Status in Colorado: Clarifications and Suggested Species Assessment Update and Erratum. Unsolicited report prepared for the Arapho-Roosevelt National Forests and Pawnee National Grassland Supervisor's Office, Fort Collins, CO. 45pp.

## ADDITIONAL TOPICS

### Additional Topics

No Data

## VERSION

Version Date 09/08/1998  
Version Author Fayette, K.K.

## Disclaimer

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