

Level 4 Potential Conservation Area (PCA) Report

Name Saint Vrain Mountain

Site Code S.USCOHP*26597

IDENTIFIERS

Site ID 2382 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> |
|--------------------|----------------------|----------------------|
| - | | No Data |

LOCATORS

Nation United States Latitude 400910N
State Colorado Longitude 1053611W

Quad Code Quad Name
40105-B5 Allens Park

County
Boulder (CO)

Watershed Code Watershed Name
10190005 St. Vrain

SITE DESCRIPTION

| | | |
|-------------------|----------------|-----------------|
| Minimum Elevation | 10,213.00 Feet | 3,112.92 Meters |
| Maximum Elevation | 11,800.00 Feet | 3,596.64 Meters |

Site Description

This location is near the lower end of an enormous south-facing mountainside consisting of slabs and cliff bands interspersed with forested benches and several gulleys. The rare plants occur mostly on scattered shady ledges, but a few were in a sunny exposure on the talus at the very base of a cliff. Plants on ledges include pygmy sagifrage (*Saxifraga hyperborea*), nodding saxifrage (*Saxifraga cernua*), brittle bladderfern (*Cystopteris fragilis*), mountain tansymustard (*Descurainia incisa* ssp. *viscosa*), shootingstar (*Dodecatheon*), and hairy rockcress (*Arabis hirsuta*). Plants on talus (sunny exposure) include mountain meadowrue (*Thalictrum fendleri*) and nettle (*Urtica gracilis*). Voucher specimens of the associated pygmy sagifrage, brittle bladderfern, tansymustard and rockcress were deposited in the University of Colorado Herbarium. This is a steep valley wall with 50-67% slope. Aspect is southwest. Parent material is Biotite schist. This site was not visited during 2007-2008.

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 11/01/2006

Designer Culver, D.R.

Boundary Justification

Boundaries are drawn to encompass the rock ledges of immediate occupancy of the rare plants and potential habitat within same aspect and elevational range.

Primary Area 255.90 Acres 103.56 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B1: Outstanding Biodiversity Significance

Biodiversity Significance Comments

The site supports an excellent (A-ranked) occurrence of the globally critically imperiled (G1/S1) budding monkeyflower (*Mimulus gemmiparus*) and an unranked occurrence of the globally vulnerable (G3/S3) Rocky Mountain columbine (*Aquilegia saximontana*).

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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

No Data

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> |
| 18092 | <i>Aquilegia saximontana</i> | Rocky Mountain columbine | G3 | S3 | No |
| 18872 | <i>Mimulus gemmiparus</i> | budding monkeyflower | G1 | S1 | Yes |

REFERENCES

| <u>Reference ID</u> | <u>Full Citation</u> |
|---------------------|--|
| 195190 | Neid, S., J. Lemly, K. Decker and D. Culver. 2009. Final Report: Survey of Critical Biological Resources in Boulder County 2007-2008. Colorado Natural Heritage Program, Fort Collins, CO. |

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

| | |
|-----------------------|--------------|
| Version Date | 11/01/2006 |
| Version Author | Culver, D.R. |

Disclaimer

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