

Level 4 Potential Conservation Area (PCA) Report

Name Flattop Mountain South

Site Code S.USCOHP*25376

IDENTIFIERS

Site ID 2203 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 374344N
State Colorado Longitude 1075628W

Quad Code Quad Name
37107-F8 Hermosa Peak

County
Dolores (CO)

Watershed Code Watershed Name
14030002 Upper Dolores

SITE DESCRIPTION

Minimum Elevation	10,240.00	Feet	3,121.15	Meters
Maximum Elevation	11,400.00	Feet	3,474.72	Meters

Site Description

Flattop Mountain South site lies within San Juan National Forest and incorporates both sides of a portion of upper Barlow Creek, a tributary to the Dolores River, and several other small, unnamed tributary drainages. The majority of the site is on the south-facing lower slopes of a 13,000 foot unnamed rise adjacent to Flattop Mountain on the north side of Barlow Creek. Forest Service Road 578 passes through the site, and is within a Forest Service use area that allows year-round motorized vehicle use. Vegetation of the site is primarily spruce-fir (*Picea engelmannii*-*Abies lasiocarpa*) forest, with some openings of alpine meadows and rock outcrops. A small population of the globally vulnerable reflected moonwort (*Botrychium echo*) occurs along the flat margins of the road and the lower portions of the steep, open, dry talus slopes. The population is found in conjunction with two other CNHP watch-listed moonworts, lance-leaved moonwort (*Botrychium lanceolatum*), and common moonwort (*Botrychium lunaria*). Other associated species include black groundsel, dandelion, Thurber fescue, strawberry, bluntnose sandwort, and spreading sandwort (*Senecio atratus*, *Taraxacum officinale*, *Festuca thurberi*, *Fragaria virginiana*, *Moehringia lateriflora*, and *Arenaria lanuginosa* ssp. *lanuginosa* var. *lanuginosa*).

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 12/08/2004
Designer Lyon, M.J.

Boundary Justification

The boundary is drawn to incorporate the occurrence of reflected moonwort (*Botrychium echo*) and some adjacent area that provides potential habitat for the species, based on its similar vegetation, soil, slope, and elevation.

Primary Area 274.60 Acres 111.13 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B4: Moderate Biodiversity Significance

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Biodiversity Significance Comments

This site supports a fair (C-ranked) occurrence of reflected moonwort (*Botrychium echo*), a plant that is both globally and state vulnerable (G3/S3). Although only a few individuals were seen when the population was located in 2002, the drought of that year may have precluded a larger population. Since moonworts do not appear above the surface every year, but may survive several years underground, additional survey in a less dry year is warranted.

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>
20475	<i>Botrychium echo</i>	reflected moonwort	G3	S3	Yes

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
192772	Lyon, M.J. 2005. Final Report: Survey of Rare Plants. San Juan Public Lands in Dolores and Montezuma counties, Colorado. Colorado Natural Heritage Program, Fort Collins, CO.

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date 12/08/2004
Version Author Lyon, M.J.

Disclaimer

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