

Level 4 Potential Conservation Area (PCA) Report

Name Haven of the Reflected Moonwort

Site Code S.USCOHP*12373

IDENTIFIERS

Site ID 756 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 372854N
State Colorado Longitude 1064731W

<u>Quad Code</u>	<u>Quad Name</u>
37106-D7	Wolf Creek Pass
37106-E7	Mount Hope

County

Mineral (CO)

<u>Watershed Code</u>	<u>Watershed Name</u>
14080101	Upper San Juan
13010001	Rio Grande headwaters

SITE DESCRIPTION

Minimum Elevation	10,400.00	Feet	3,170.00	Meters
Maximum Elevation	11,870.00	Feet	3,618.00	Meters

Site Description

The Haven of the Reflected Moonwort site is within the subalpine zone, primarily south-facing with a 10-20% slope. Surface rock is primarily volcanic ash/tuff and scattered Engelmann spruce (*Picea engelmannii*) dominate the slopes. The sparsely vegetated and gravelly openings within the forest provide ideal habitat for the moonworts. A two-track dirt road winds up from Hwy 160 to the Radio Towers, a popular scenic side road for tourists traveling over Wolf Creek Pass. Some selected tree cutting is visible, but the area has never been clearcut. Part of Wolf Creek ski area is included in this site and has a known occurrence of moonworts. Many of the rare plants were found above or below road cuts on lands that were disturbed at least 25 years ago (D. Earhardt, pers. comm.).

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 12/20/1998
Designer Rondeau, R.J.

Boundary Justification

This site includes the six occurrences of rare plants and some additional potential habitat (which has not been searched) to allow for movement of the population over time and to protect the occurrences from direct disturbance. The boundary was drawn to encompass the occurrences of the moonworts and adjacent suitable habitat. The site boundary was based on initial aerial photo analysis, a field visit by CNHP, and inspection of the 7.5 minute topographical map.

Primary Area	1,596.84	Acres	646.22	Hectares
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SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

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Biodiversity Significance Comments

This site drawn from a few good occurrences of a globally vulnerable plant species. This site also contains several fair plants which are critically imperiled in Colorado. This Site includes several rare plant species all in the genus *Botrychium*. Members of the moonwort family are often found together in naturally or anthropomorphically disturbed sites. Moonworts are very inconspicuous and with more research may be found to be more common than currently thought.

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>
23966	<i>Botrychium minganense</i>	Mingan's moonwort	G4	S2	No
20475	<i>Botrychium echo</i>	reflected moonwort	G3	S3	Yes
20475	<i>Botrychium echo</i>	reflected moonwort	G3	S3	Yes
22682	<i>Botrychium pinnatum</i>	northern moonwort	G4?	S1	No
22785	<i>Botrychium hesperium</i>	western moonwort	G4	S2	No
20475	<i>Botrychium echo</i>	reflected moonwort	G3	S3	No

REFERENCES

Reference ID Full Citation

- No Data

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date 12/20/1998

Version Author Rondeau, R.J.

Disclaimer

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