

Level 4 Potential Conservation Area (PCA) Report

Name Hidden Valley Hogback

Site Code S.USCOHP*25414

IDENTIFIERS

Site ID 2221 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 402450N
State Colorado Longitude 1050842W

Quad Code Quad Name

40105-D2 Masonville

County

Larimer (CO)

Watershed Code Watershed Name

10190006 Big Thompson

SITE DESCRIPTION

Minimum Elevation	5,120.00 Feet	1,560.58 Meters
Maximum Elevation	5,280.00 Feet	1,609.34 Meters

Site Description

The site is comprised of a north-south trending hogback within the foothills on the Front Range. The sandstone hogback is comprised of Lykins Formation overlain by Entrada Sandstone/Jelm Formation, and Morrison Formation sandstones with calcareous elements (Braddock et al. 1970). Mountain mahogany (*Cercocarpus montanus*) shrublands occupy shallow soils on the slopes of the hogback. Bell's twinpod (*Physaria bellii*) grows on Lykins sandstone (Braddock et al. 1970) outcrops and on the steep sparsely vegetated talus slopes below. Development of residential housing is underway in the valley below and is established on the mesa top above.

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 03/01/2005
Designer Doyle, G.A.

Boundary Justification

The boundary includes the known occurrence of Bell's twinpod (*Physaria bellii*) and a small buffer to protect from direct disturbance. The occurrence of Bell's twinpod may extend north of the site onto unsurveyed private property.

Primary Area 100.30 Acres 40.59 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

Biodiversity Significance Comments

This site supports a fair (C-ranked) occurrence of Bell's twinpod (*Physaria bellii*), a globally imperiled (G2G3/S2S3) plant. Bell's twinpod is known only from shale or sandstone hogbacks along the foothills of the Front Range from Jefferson County north to near the Wyoming border. This occurrence is one of very few documented occurrences on Lykins Formation sandstone. Other occurrences are known from Niobrara Formation shale and Fountain Formation/Ingleside Formation sandstone.

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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>
23937	<i>Physaria bellii</i>	Bell's twinpod	G2G3	S2S3	Yes

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
192814	Braddock, William A., Ronald H. Calvert, Stephen J. Gawarecki, and Prinya Nutalaya. 1970. Geologic Map of the Masonville Quadrangle, Larimer County, Colorado.
192692	Doyle, G.A., S.L. Neid and R.J. Rondeau. 2005. Final Report: Survey of Critical Biological Resources, Larimer County, Colorado. Colorado Natural Heritage Program, Fort Collins, CO.

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date 03/01/2005

Version Author Doyle, G.A.

Disclaimer

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