

Level 4 Potential Conservation Area (PCA) Report

Name Lands End

Site Code S.USCOHP*285

IDENTIFIERS

Site ID 1194 Site Class PCA
Site Alias Carson Lake
Site Alias North Fork Kannah Creek

Network of Conservation Areas (NCA)

NCA Site ID NCA Site Code NCA Site Name
- No Data

LOCATORS

Nation United States Latitude 390052N
State Colorado Longitude 1081326W

Quad Code Quad Name
38108-H1 Hells Kitchen
38108-H2 Indian Point
39108-A2 Lands End
39108-A1 Mesa Lakes

County
Mesa (CO)

Watershed Code Watershed Name
14020005 Lower Gunnison

SITE DESCRIPTION

Minimum Elevation 8,400.00 Feet 2,560.32 Meters
Maximum Elevation 10,000.00 Feet 3,048.00 Meters

Site Description

The site follows the escarpment on the south and west sides of Grand Mesa, and continues down the steep slopes along the road on the west. It also includes Carson Lake. It comprises an open shrub community dominated by mountain sagebrush (*Artemisia tridentata* ssp. *vaseyana*) and serviceberry (*Amelanchier utahensis*), with a diverse mix of grasses and forbs. There are isolated patches of aspen along the top, and dense oak shrubland on the slopes of the west end. Rothrock townsend-daisy (*Townsendia rothrockii*) occurred on relatively barren areas, on thin soils over bedrock of the Green River formation and basalt flows, with areas of exposed bedrock. Elevation of the site ranges from over 10,000 ft at the east end, to 8400 ft. on the lowest part of the west slope.

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 08/20/2010
Designer Lyon, M.J.

Boundary Justification

The boundary is drawn to include occurrences of *Penstemon mensarum* and *Townsendia rothrockii* along Land's End Road, with some adjacent suitable habitat.

Primary Area 4,448.11 Acres 1,800.09 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B2: Very High Biodiversity Significance

Biodiversity Significance Comments

The site contains excellent (A-ranked) occurrences of a globally imperiled (G2G3/S2S3) species, Rothrock

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townsend-daisy (*Townsendia rothrockii*), as well as good (B-ranked) and fair (C-ranked) occurrences of Grand Mesa penstemon (*Penstemon mensarum*), a globally vulnerable (G3/S3) species. Some historic records of *Penstemon mensarum* were updated. One was searched for, but not found.

Other Values Rank No Data

Other Values Comments

Recreation, scenic. Designated scenic byway, Land's End observatory.

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 State ID</u>	<u>State Scientific Name</u>	<u>State Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>	<u>Driving Site Rank</u>
19689	<i>Penstemon mensarum</i>	Grand Mesa penstemon	G3	S3	No
23143	<i>Townsendia rothrockii</i>	Rothrock townsend-daisy	G2G3	S2S3	Yes
23143	<i>Townsendia rothrockii</i>	Rothrock townsend-daisy	G2G3	S2S3	Yes
19689	<i>Penstemon mensarum</i>	Grand Mesa penstemon	G3	S3	No
19689	<i>Penstemon mensarum</i>	Grand Mesa penstemon	G3	S3	No

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
198684	Lyon, P. and B. Kuhn. 2010. CNHP Final Report: Grand Mesa National Forest Rare Plant and Boreal Toad Survey 2010. Colorado Natural Heritage Program. Fort Collins, CO.

ADDITIONAL TOPICS

Additional Topics

Original site design by Grunau, T.L. 1996-08-20 (Carson Lake) and Reid, M. 1991-05-31 (North Fork Kannah Creek).

VERSION

Version Date	08/20/2010
Version Author	Lyon, M.J.

Disclaimer

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