

Level 4 Potential Conservation Area (PCA) Report

Name Storm Peak

Site Code S.USCOHP*25386

IDENTIFIERS

Site ID 2213 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 374109N
State Colorado Longitude 1080524W

Quad Code Quad Name

37108-F1 Rico

County

Dolores (CO)

Watershed Code Watershed Name

14030002 Upper Dolores

SITE DESCRIPTION

Minimum Elevation	10,367.00 Feet	3,159.86 Meters
Maximum Elevation	12,303.00 Feet	3,749.95 Meters

Site Description

The Storm Peak site comprises high alpine tundra with several talus slopes and rock outcrops. It occupies south and east-facing slopes south of Storm Peak. Colorful red, purple and white soils at the site are derived from the Dolores formation. The Highline Stock Trail runs along the ridge, and is a popular hiking, horse packing and ATV route. Several trails converge near the site. Colorado tansy aster (*Machaeranthera coloradoensis*) was found growing in alpine meadows as well as areas with eroded purple-red soil. Plants were flowering and appeared to be successfully regenerating in September. They appeared to thrive in areas with little competition from other plants where natural erosion of the soft red soils creates suitable sites. Associated species included Holm's ragwort, bottle gentian, kittentails, Thurber fescue, Rocky Mountain clover and spike trisetum (*Senecio holmii*, *Pneumonanthe parryi*, *Besseyia ritteriana*, *Festuca thurberi*, *Trifolium attenuatum* and *Trisetum spicatum*).

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 10/14/2009

Designer Panjabi, S.S.

Boundary Justification

The boundary is drawn to include the known occurrences, additional potential habitat, and the local mosaic of plant communities. The boundary was digitized while referencing a one meter digital color orthophoto quad and a 1:100,000 digital quad.

Primary Area 1,940.20 Acres 785.17 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

Biodiversity Significance Comments

The Storm Peak site supports an excellent (A-ranked) occurrence of Colorado tansy aster (*Machaeranthera*

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coloradoensis), a globally vulnerable (G3/S3) plant. The globally vulnerable (G3/S3) House's sandwort (*Alsinanthe macrantha*) also occurs at this site.

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>
23921	<i>Machaeranthera coloradoensis</i>	Colorado tansy-aster	G3	S3	Yes
22706	<i>Alsinanthe macrantha</i>	House's sandwort	G3	S3	No

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

Original site design by Lyon, M.J. 2004-12-08.

VERSION

Version Date 12/08/2004

Version Author Lyon, M.J.

Disclaimer

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