

# Level 4 Potential Conservation Area (PCA) Report

Name Needle Creek at Emerald Lake

Site Code S.USCOHP\*8466

## IDENTIFIERS

Site ID 1964 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 373509N  
State Colorado Longitude 1073958W

Quad Code Quad Name  
37107-E6 Mountain View Crest

County  
La Plata (CO)

Watershed Code Watershed Name  
14080104 Animas

## SITE DESCRIPTION

Minimum Elevation	11,276.00 Feet	3,437.00 Meters
Maximum Elevation	11,400.00 Feet	3,475.00 Meters

### Site Description

The site is a pristine valley above (south of) Emerald Lake. This area was surveyed in 1994 by the San Juan National Forest. Three sub-populations of Altai cottongrass (*Eriophorum altaicum*) were identified within the site boundaries, with over 300 individuals. Many of the plants were in bloom in late August, and appeared very healthy.

### 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 04/11/1997  
Designer Fayette, K.K.

### Boundary Justification

This site includes the occurrence and a buffer of similar habitat to protect against direct impacts such as trampling or erosion disturbances. The buffer will also provide suitable habitat where additional individuals can become established over time. The hydrology of the site is important to the element and should be considered during any modifications in the watershed.

Primary Area 102.83 Acres 41.62 Hectares

## SITE SIGNIFICANCE

Biodiversity Significance Rank B5: General Biodiversity Interest

### Biodiversity Significance Comments

The site supports a good (B-ranked) occurrence of a state vulnerable (G4T3T4/S3) plant subspecies.

Other Values Rank No Data

### Other Values Comments

No Data

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## LAND MANAGEMENT ISSUES

### Land Use Comments

No Data

### Natural Hazard Comments

No Data

### Exotics Comments

No Data

### Offsite

[Fayette 1997:] Hydrological processes originating outside of the planning boundary, including water quality, quantity, timing and flow must be managed to maintain site viability.

### 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>

## REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
184581	Lyon, P. 2003. Colorado Natural Heritage Program La Plata County Biological Assessment.
170844	Randolph, D., Smith, Kettler, Redders, Roy, and Aitken. 1994. San Juan National Forest Riparian Site Survey.

## ADDITIONAL TOPICS

### Additional Topics

No Data

## VERSION

Version Date 01/30/2004

Version Author Lyon, M.J.

## Disclaimer

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