

# Level 4 Potential Conservation Area (PCA) Report

Name Lily Lake at Calamity Pass

Site Code S.USCOHP\*26535

## IDENTIFIERS

Site ID 2373 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 402653N  
State Colorado Longitude 1060032W

<u>Quad Code</u>	<u>Quad Name</u>
40106-D1	Jack Creek Ranch
40105-D8	Mount Richthofen

### County

Jackson (CO)

<u>Watershed Code</u>	<u>Watershed Name</u>
10180001	North Platte Headwaters

## SITE DESCRIPTION

Minimum Elevation	9,663.00 Feet	2,945.28 Meters
Maximum Elevation	9,893.00 Feet	3,015.39 Meters

### Site Description

Lily Lake at Calamity Pass site consists of a series of glacial wetlands, kettle ponds and wet meadows. The site is located northeast of Calamity Pass along Forest Service Road 740. The ponds are dominated by pond lily (*Nuphar lutea* ssp. *polysepala*) and buckbean (*Menyanthes trifoliata*). The adjacent wet meadows consist of graminoids such as tufted hairgrass (*Deschampsia caespitosa*), water sedge (*Carex aquatilis*), beaked sedge (*C. utriculata*), Buxbaum's sedge (*Carex buxbaumi*), boreal bog sedge (*C. paupercula*), bluejoint reedgrass (*Calamagrostis canadensis*), marsh marigold (*Caltha leptosepala*), elephanthead (*Pedicularis groenlandica*), arrowleaf ragwort (*Senecio triangularis*), and marsh cinquefoil (*Comarum palustre*). Short stature willows, such as planeleaf willow (*Salix planifolia*) and wolf willow (*Salix wolfii*), dominate the drier edges. The hydrology is likely the combination of groundwater discharge and surface flows from precipitation and snow melt. The surrounding uplands are dominated by lodgepole pine (*Pinus contorta*) and grouse whortleberry (*Vaccinium cespitosum*).

### Key Environmental Factors

Groundwater discharge, peaty soils, and snowmelt are significant environmental factors.

### Climate Description

No Data

### Land Use History

No Data

### Cultural Features

No Data

## SITE DESIGN

Site Map Y - Yes Mapped Date 10/17/2006  
Designer Culver, D.R.

### Boundary Justification

Boundary is drawn to encompass the immediate watershed that supports the wetland dependent plants. It includes the area to the northeast of Calamity Pass and FS Road 740 to the adjacent ridge (moraine).

Primary Area 275.90 Acres 111.65 Hectares

## SITE SIGNIFICANCE

Biodiversity Significance Rank B5: General Biodiversity Interest

### Biodiversity Significance Comments

The site supports extant occurrences of the state rare (G5/S1) livid sedge (*Carex livida*) and the state rare

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(G5/S2) slender cottongrass (*Eriophorum gracile*), both FS Sensitive species, as well as an extant occurrence of the state rare (G5/S2) mud sedge (*Carex limosa*) which is a FS Species of Local Concern. Although not drawn for this species, the state rare (G5/S3) wood frog (*Rana sylvatica*) is known from the Lily Lake. In 2009, the Forest Service and DOW documented 2 adults. The wood frog is a common northern species whose distribution in Colorado is at its southern extent (Hammerson 1999) and it is listed as sensitive by the Forest Service, BLM, and the Colorado Division of Wildlife.

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>
21314	<i>Carex livida</i>	livid sedge	G5	S1	Yes
22458	<i>Carex limosa</i>	mud sedge	G5	S2	Yes
18619	<i>Eriophorum gracile</i>	slender cottongrass	G5	S2	Yes

## REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
194561	Culver, D.R. 2006. Final Report: Rare Plant Survey for Owl Mountain Area and Medicine Bow/Routt National Forest. Colorado Natural Heritage Program, Fort Collins, CO.
198407	Culver, D.R., K. Decker, J. Parker, J. Bell, J. Sovell, and J. Huggins. 2010. CNHP Final Report: Identification and Assessment of Important Wetlands within the North Platte Watershed, CO. Colorado Natural Heritage Program, Fort Collins, CO.
159546	Hammerson, G.A. 1999. Amphibians and Reptiles in Colorado. Second Edition. University Press of Colorado. Niwot, CO.

## ADDITIONAL TOPICS

### Additional Topics

No Data

## VERSION

Version Date 10/17/2006  
Version Author Culver, D.R.

## Disclaimer

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