

# Level 4 Potential Conservation Area (PCA) Report

Name South Catamount Creek

Site Code S.USCOHP\*28220

## IDENTIFIERS

Site ID 2740 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 385416N  
State Colorado Longitude 1050452W

Quad Code Quad Name  
38105-H1 Woodland Park

County  
Teller (CO)

Watershed Code Watershed Name  
11020003 Fountain

## SITE DESCRIPTION

Minimum Elevation	9,360.00 Feet	2,852.93 Meters
Maximum Elevation	10,080.00 Feet	3,072.38 Meters

### Site Description

The site is located at the junction of South Catamount and Glen Cove creeks, and consists of braided channels and ponds resulting from past beaver activity. Water sedge (*Carex aquatilis*), beaked sedge (*C. utriculata*), and mixed shrubs have colonized the standing water. Hydrology is intact within the site and upstream, but South Catamount Reservoir has modified the natural hydrology 0.7 miles downstream from the site. Within the wetland, soil texture consists of mucky peat over gravelly sandy loam. Soils here in general consist of deep, poorly drained Aquolls (USDA NRCS 2008). Pikes Peak granite dominates the site's geology, but the southeastern corner contains glacial drift of the Pinedale and/or Bull Lake glaciations (Tweto 1979). There is a social trail that accesses the wetland from the reservoir. The Pikes Peak toll road passes 0.25 miles to the southeast.

### Key Environmental Factors

Planeleaf willow (*Salix planifolia*) / water sedge (*Carex aquatilis*) shrublands occur in swales that are wet year-round (Carsey et al. 2003). Growth of planeleaf willow (*Salix planifolia*) may be stunted due to the water-logged soil.

### Climate Description

Teller County is cool and dry although Pikes Peak has the topographic relief to cool humid air and initiate precipitation. Average annual precipitation is 10.5-16.2 inches (<http://www.worldclimate.com>), depending upon exact location within the county. Snowfall is greatest in April and May. Monsoon rains peak in July. Spring and summer therefore have the greatest precipitation, and sunny fall weather dries out the landscape. Teller County has the second highest rate of lightning strikes nationwide, an annual average of 5,700 strikes that reach the ground. (Precipitation timing and lightning information was taken from Teller County 2008). Average maximum temperature is lowest, 30 °F (-1.1 °C), in January, and highest, 75.4 °F (24.1 °C), in July. Average minimum temperature is lowest, -2.8 °F (-19.4 °C), in January, and highest, 45.9 °F (7.7 °C) in July (<http://www.worldclimate.com>).

### Land Use History

No Data

### Cultural Features

No Data

## SITE DESIGN

Site Map Y - Yes Mapped Date 12/17/2010

Designer Shaw, A.E.

### Boundary Justification

The site incorporates the shrubland and a smaller wetland located 0.6 miles upstream. It travels the

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ridgelines surrounding South Catamount and Glen Cove creeks, which drain the area between The Crags and Devil's Playground and converge at the wetland. This boundary preserves South Catamount Creek and its watershed up to the point where it becomes intermittent.

Primary Area 658.49 Acres 266.48 Hectares

## SITE SIGNIFICANCE

Biodiversity Significance Rank B4: Moderate Biodiversity Significance

### Biodiversity Significance Comments

The site is drawn for a good (B-ranked) occurrence of an apparently globally secure (G4/S4) plant association, planeleaf willow (*Salix planifolia*) / water sedge (*Carex aquatilis*) shrubland.

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>
24850	<i>Salix planifolia</i> / <i>Carex aquatilis</i> Shrubland	Subalpine Riparian Willow Carr	G5	S4	Yes

## REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
159854	Carsey, K., G. Kittel, K. Decker, D. Cooper, and D. Culver. 2003. Field guide to the wetland and riparian plant associations of Colorado. Prepared for the Colorado Department of Natural Resources, Denver, CO by the Colorado Natural Heritage Program, Fort Collins, CO.
198660	Culver, D.R., D. Malone, and A. Shaw. 2011. CNHP Final Report: Survey of Critical Biological Resources in Teller County, Colorado. Colorado Natural Heritage Program, Fort Collins, CO.
198642	Teller County (Web Page). Accessed 2010. 2008 Teller County Multi-Hazard Mitigation Plan. <a href="http://www.co.teller.co.us/OEM/tellercopdm_plan.pdf">http://www.co.teller.co.us/OEM/tellercopdm_plan.pdf</a>
192747	Tweto, O. 1979. Geologic Map of Colorado, 1:500,000. United States Geological Survey, Department of Interior, and Geologic Survey of Colorado, Denver, CO.
198640	USDA Natural Resource Conservation Service. 2008. Soil Survey Geographic (SSURGO) Database for Teller-Park Area, Parts of Teller and Park Counties, Colorado. Fort Worth, TX: United States Department of Agriculture, Natural Resource Conservation Service.

## ADDITIONAL TOPICS

### Additional Topics

No Data

## VERSION

Version Date 12/17/2010

Version Author Shaw, A.E.

## Disclaimer

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