

# Level 4 Potential Conservation Area (PCA) Report

Name Fourmile Creek at Peart

Site Code S.USCOHP2\*2391

## IDENTIFIERS

Site ID 180 Site Class PCA  
Site Alias None

## Network of Conservation Areas (NCA)

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

## LOCATORS

Nation United States Latitude 391121N  
State Colorado Longitude 1060213W

Quad Code Quad Name  
39106-B1 Fairplay West

County  
Park (CO)

Watershed Code Watershed Name  
10190001 South Platte Headwaters

## SITE DESCRIPTION

Minimum Elevation 9,800.00 Feet 2,987.00 Meters  
Maximum Elevation 10,500.00 Feet 3,200.00 Meters

### Site Description

Fourmile Creek emerges from a coniferous forest, then spreads out into a large area of beaver ponds and willow stands. To the south of the creek is a large, seepy area where many of the extreme rich fen elements occur. The south side of the creek is also the location of the *Pentaphylloides floribunda* - *Salix brachycarpa* / *Kobresia myosuroides* community, which, in this particular location, is heavily dominated by shortfruit willow (*Salix brachycarpa*). Greenland primrose (*Primula egaliksensis*) is also quite common, as is Canadian single-spike sedge (*Carex scirpoidea*). The fen community with its hummocks of *Kobresia simpliciuscula* - *Scirpus pumilus* is found in scattered areas to the north of Fourmile Creek, with heavy concentrations along a low-flow drainage. The Fourmile Creek drainage provides an important wildlife migration corridor from the Mosquito Range to South Park (Carsey et al. 1999).

### 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 02/14/2001  
Designer Sanderson, J.S. and S.C. Spackman

### Boundary Justification

The boundary encompasses the significant elements identified while including important seeps and springs to the north and south of Fourmile Creek, as well as contiguous wetlands along the creek. The boundary is drawn to incorporate an area where natural processes (such as groundwater recharge, species reproduction) function in a manner that maintains viable populations of the elements of concern. However, all hydrological processes necessary to the elements are not fully contained in the boundary. Upstream activities that alter hydrology or sediment loads could detrimentally affect the elements.

Primary Area 2,025.11 Acres 819.53 Hectares

## SITE SIGNIFICANCE

Biodiversity Significance Rank B2: Very High Biodiversity Significance

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## Biodiversity Significance Comments

This site supports a good (B-ranked) occurrence of an extreme rich fen community (*Kobresia myosuroides* - *Thalictrum alpinum*) which is globally imperiled (G2/S1). Several other elements which are imperiled or vulnerable in the state, are also supported by 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>
23155	<i>Eleocharis quinqueflora</i> Herbaceous Vegetation	Alpine Wetlands	G4	S3S4	No
21527	<i>Trichophorum pumilum</i>	little bulrush	G5	S2	No
24977	<i>Kobresia simpliciuscula</i> - <i>Trichophorum pumilum</i> Saturated Herbaceous Vegetation	Extreme Rich Fen	G2	S1	Yes
23592	<i>Carex scirpoidea</i>	Canadian single-spike sedge	G5	S2	No
24475	<i>Dasiphora fruticosa</i> ssp. <i>floribunda</i> / <i>Deschampsia caespitosa</i> Shrubland	Montane Riparian Shrubland	G4	S3S4	No
17508	<i>Packera pauciflora</i>	few-flowered ragwort	G4G5	S1S2	No
24980	<i>Kobresia myosuroides</i> - <i>Thalictrum alpinum</i> Herbaceous Vegetation	Extreme Rich Fens	G2	S1	Yes
22057	<i>Primula egaliksensis</i>	Greenland primrose	G4	S2	No

## REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
192795	Carsey, K. and K. Decker. 1999a. Identification and Evaluation of Wetlands of Statewide Significance in Colorado. Report prepared for Colorado Department of Natural Resources and U.S. Environmental Protection Agency by the Colorado Natural Areas Program, Denver, Colorado.
193488	Nichols, G. 2001. Personal communication to the Colorado Natural Heritage Program.

## ADDITIONAL TOPICS

## Additional Topics

No Data

## VERSION

**Version Date** 02/14/2001  
**Version Author** Sanderson, J.S. and S.C. Spackman

## Disclaimer

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