

# Level 4 Potential Conservation Area (PCA) Report

Name Jackson Creek

Site Code S.USCOHP\*3245

## IDENTIFIERS

Site ID 1039 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>
896	S.USCOHP*321	West Plum Creek

## LOCATORS

Nation United States Latitude 392025N  
State Colorado Longitude 1045946W

<u>Quad Code</u>	<u>Quad Name</u>
39104-C8	Dawson Butte
39105-C1	Devils Head

### County

Douglas (CO)

<u>Watershed Code</u>	<u>Watershed Name</u>
10190002	Upper South Platte

## SITE DESCRIPTION

Minimum Elevation	-	Feet	-	Meters
Maximum Elevation	-	Feet	-	Meters

### Site Description

Jackson Creek is a major western tributary of West Plum Creek. The headwaters originate high in the Rampart Range and provide a permanent source of water for the stream. Stream substrate is predominately sand and the channel is shallow and braided. Some off-channel pools, both natural and augmented, add to the habitat diversity of the site and support some of the rare and imperilled species found here. The water temperature in Jackson Creek is significantly lower than that in West Plum Creek and the fish species found here reflect this cold-water habitat (Bestgen and Culver 1985). Jackson Creek is typical of West Plum Creek's western tributaries in terms of the structure of the stream and the dominant riparian vegetation. Willows (*Salix* spp.) and cottonwoods (*Populus deltoides*) dominate the woody vegetation, and understories are typically dominated by exotic grasses, especially smooth brome (*Bromus inermis*). Livestock grazing has been the predominant land use within and surrounding the site. Its impacts are evident in the form of exotic grass species, a few water diversions, and some bank erosion.

### 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 10/31/1995

Designer Ellingson, A.R.

### Boundary Justification

The elements present at the Jackson Creek site are aquatic organisms which depend on the natural functioning of the aquatic system. Only some of the factors affecting this system can be addressed at the site. Others, such as changes in the water table or upstream alterations, are off-site considerations that will have to be addressed in order to maintain a sustainable system. The preliminary conservation boundary presented here encompasses the surface water and associated vegetation within and around the known locations of natural heritage elements. A small buffer of 1000 feet from either the riparian vegetation or the steepened stream bank has been included to properly manage these areas.

Primary Area	578.62 Acres	234.16 Hectares
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## SITE SIGNIFICANCE

**Biodiversity Significance Rank** B5: General Biodiversity Interest

### Biodiversity Significance Comments

This PCA contains an occurrence of the G5 northern redbelly dace.

**Other Values Rank** No Data

### Other Values Comments

No Data

## LAND MANAGEMENT ISSUES

### Land Use Comments

Approximately half of the site is on the Jackson creek Ranch, but the rest of the site is under multiple ownership. Housing development on the surrounding uplands is less than other parts of the West Plum Creek Macrosite.

### 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>
24121	<i>Phoxinus eos</i>	Northern Redbelly Dace	G5	S1	Yes

## REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
-	No Data

## ADDITIONAL TOPICS

### Additional Topics

No Data

## VERSION

**Version Date** 10/31/1995  
**Version Author** Ellingson, A.R.

## Disclaimer

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