

Level 4 Potential Conservation Area (PCA) Report

Name Dillon Bay Fen

Site Code S.USCOHP*10267

IDENTIFIERS

Site ID 1887 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 393720N
State Colorado Longitude 1060025W

Quad Code Quad Name

39106-E1	Frisco
39105-E8	Keystone
39105-F8	Loveland Pass
39106-F1	Dillon

County

Summit (CO)

Watershed Code Watershed Name

14010002	Blue
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SITE DESCRIPTION

Minimum Elevation	9,070.00	Feet	2,765.00	Meters
Maximum Elevation	9,600.00	Feet	2,926.00	Meters

Site Description

The Dillon Bay site is located at the southeastern tip of Dillon Bay, north of Highway 6 on the southwest side of Tenderfoot Mountain. It is a fen (peat-accumulating wetland that is supported by ground water discharge) supported by groundwater discharging from the Pierre Shale. The fen is dominated by cluster sedge (*Carex praegracilis*), aquatic sedge (*Carex aquatilis*), beaked sedge (*Carex utriculata*), Geyer willow (*Salix geyeriana*), Rocky Mountain willow (*Salix monticola*), shortfruit willow (*Salix brachycarpa*), shrubby cinquefoil (*Pentaphraguloides floribunda*) and Englemann spruce (*Picea engelmannii*). Upslope of the wetland, aspen (*Populus tremuloides*) and lodgepole pine (*Pinus contorta*) dominate. The drier areas are dominated by sagebrush (*Artemisia tridentata* ssp. *vaseyana*) and rabbitbrush (*Chrysothamnus parryi*). The site is bordered to the south by Highway 6 and to the north by Tenderfoot Mountain. The Oro Grande bicycle trail bisects the site. The site is a total of 500 acres ranging in elevation from 2721 m (9,070 ft.) to 2880 m (9,600 ft.).

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 12/05/1997
Designer Culver, D.R.

Boundary Justification

The boundary drawn encompasses the fen, adjacent uplands, and montane forest. This boundary includes property owned both privately and publicly. A much larger area should be considered in any long-term management or protection plan to protect the hydrology of this site.

Primary Area	775.00	Acres	313.63	Hectares
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SITE SIGNIFICANCE

Biodiversity Significance Rank B3: High Biodiversity Significance

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Biodiversity Significance Comments

This site contains a good occurrence of a community which is vulnerable on a global scale. This site contains the clustered sedge (*Carex praegracilis*) wetland community. There are only 5 occurrences of clustered sedge wetlands known in Colorado, three of these are located in Summit County (CNHP 1997). It is a significant site due to the relative rarity of fens observed on private lands in Summit County

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>
18593	<i>Carex praegracilis</i> Herbaceous Vegetation	Clustered Sedge Wetland	G3G4	S2	Yes

REFERENCES

<u>Reference ID</u>	<u>Full Citation</u>
165258	Culver, D.R. 1997. Colorado Natural Heritage Program Wetland Assessments for the 1997 Summit County Wetlands Inventory.

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date 12/05/1997
Version Author Culver, D.R.

Disclaimer

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