

Level 4 Potential Conservation Area (PCA) Report

Name South Platte River at Hadfield Island

Site Code S.USCOHP*7845

IDENTIFIERS

Site ID 90 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 403509N
State Colorado Longitude 1031243W

Quad Code Quad Name
40103-E2 Sterling South

County
Logan (CO)

Watershed Code Watershed Name
10190012 Middle South Platte-Sterling

SITE DESCRIPTION

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

Site Description

This is a poor example of a South Platte riparian forest. Intensive agriculture occurs on both sides of channel. Uplands to the SW yield to a low valley floodplain in a northwestern direction. The channel is wide sandy/gravelly and shallow. The raised bank adjacent to main channel has sharply cut banks on both sides. The broad flat floodplain is used primarily for plowed agriculture. The floodplain has 0.25 miles of mature trees and regeneration is limited to the braided channel. Mature *Populus deltoides* has small pockets of *Symphoricarpos occidentalis* interspersed with large patches of *Eragrostis pilosa*, *Agropyron dasystachyum*, *Agropyron smithii*, *Glycophiza leptoda*, and *Toxicodendron rhydbergii*. Lots of *Bromus inermus*, *Bromus tectorum*, and *Bromus japonicus* line fields and grade into the native floodplain area. Also abundant are several acres of *Chenopodium*, ragweed, etc.

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 03/27/1997
Designer Kittel, G.M.

Boundary Justification

The boundary includes the immediate braided channel and non-cultivated floodplain of the South Platte River upstream of Hwy 6 and downstream of Atwood.

Primary Area 1,591.12 Acres 643.91 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B2: Very High Biodiversity Significance

Biodiversity Significance Comments

This site contains a good (B-ranked) and a fair (C-ranked) occurrence of a plains cottonwood riparian woodland (*Populus deltoides* / *Symphoricarpos occidentalis*) which is imperiled on a global scale (G2G3/S2). There is also a good (B-ranked) occurrence of a globally common (G5/S5) coyote willow (*Salix exigua*) / bare ground community.

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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> |
| 24671 | <i>Populus deltoides</i> / <i>Symphoricarpos occidentalis</i> Woodland | Plains Cottonwood Riparian Woodland | G2G3 | S2 | Yes |
| 24659 | <i>Salix exigua</i> / Barren Shrubland | Coyote Willow/Bare Ground | G5 | S5 | No |
| 24671 | <i>Populus deltoides</i> / <i>Symphoricarpos occidentalis</i> Woodland | Plains Cottonwood Riparian Woodland | G2G3 | S2 | No |

REFERENCES

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

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

| | |
|-----------------------|--------------|
| Version Date | 03/27/1997 |
| Version Author | Kittel, G.M. |

Disclaimer

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