

Level 4 Potential Conservation Area (PCA) Report

Name Brush Hollow Reservoir

Site Code S.USCOHP*25792

IDENTIFIERS

Site ID 2266 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 382836N
State Colorado Longitude 1050311W

Quad Code Quad Name

38105-D1 Florence

County

Fremont (CO)

Watershed Code Watershed Name

11020002 Upper Arkansas

SITE DESCRIPTION

| | | |
|-------------------|---------------|-----------------|
| Minimum Elevation | 5,500.00 Feet | 1,676.40 Meters |
| Maximum Elevation | 5,700.00 Feet | 1,737.36 Meters |

Site Description

This sparse, dry greasewood shrubland occurs on silty, alkaline soils of a low, flat valley north of Brush Hollow Reservoir. The valley is carved by shallow ephemeral drainages that flow down to the reservoir, which has backed water up into these drainages and allowed plains cottonwood (*Populus deltoides*), willow (*Salix*) species, and tamarisk (*Tamarix ramosissima*) to establish nearby. Pinon - juniper (*Pinus edulis* - *Juniperus* spp.) woodland surrounds the valley, especially on the sandstone and shale hogbacks and valley sides. There is low intensity residential development on several sides of the state land surrounding the reservoir. As a state reservoir, there is a network of roads supporting recreation facilities.

Key Environmental Factors

Silty, alkaline soils of a low, flat valley

Climate Description

No Data

Land Use History

No Data

Cultural Features

No Data

SITE DESIGN

Site Map Y - Yes Mapped Date 01/02/2006
Designer Neid, S.L.

Boundary Justification

Boundary includes low relief area of similar soils surrounding element occurrence that corresponds to bedrock geology data layer.

Primary Area 1,236.48 Acres 500.39 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B5: General Biodiversity Interest

Biodiversity Significance Comments

This site is drawn for a fair (C-ranked) occurrence of a natural community, greasewood / inland saltgrass (*Sarcobatus vermiculatus* / *Distichlis spicata*) shrubland that is globally apparently secure and rare in the state (G4/S2).

Other Values Rank No Data

Other Values Comments

No Data

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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> |
| 24693 | <i>Sarcobatus vermiculatus</i> / <i>Distichlis spicata</i> Shrubland | Saline Bottomland Shrublands | G4 | S2 | Yes |

REFERENCES

| <u>Reference ID</u> | <u>Full Citation</u> |
|---------------------|---|
| 193618 | Neid, S.L. 2006. Final Report: Survey of Critical Wetlands and Riparian Areas in Fremont County, Colorado. Colorado Natural Heritage Program, Fort Collins, CO. |

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date 01/02/2006

Version Author Neid, S.L.

Disclaimer

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