

Level 4 Potential Conservation Area (PCA) Report

Name East Sand Dunes

Site Code S.USCOHP*27336

IDENTIFIERS

Site ID 2512 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 404730N
State Colorado Longitude 1060535W

Quad Code Quad Name

40106-G1 Shipman Mountain

County

Jackson (CO)

Watershed Code Watershed Name

10180001 North Platte Headwaters

SITE DESCRIPTION

Minimum Elevation	8,104.00 Feet	2,470.10 Meters
Maximum Elevation	9,265.00 Feet	2,823.97 Meters

Site Description

The East Sand Dune site encompasses a sand dune formation at approximately 8,000 feet in eastern North Park. These are cold climate aeolian dunes in an open dune area, surrounded by sagebrush rangeland (*Artemisia tridentata*) and aspen (*Populus tremuloides*) stands. Revegetated areas on the open dunes are dominated by western wheatgrass (*Agropyron smithii*), rabbitbrush (*Chrysothamnus* sp.), and various forbs and grasses.

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 04/09/2009
Designer Panjabi, S.S.

Boundary Justification

The boundary includes the sand dune formation and small portions of other adjacent habitats, including an excellent example of a willow carr. The combination of habitats at this site could be important components in the life cycle of the rare plant and/or the sphinx moth.

Primary Area 2,996.27 Acres 1,212.55 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B1: Outstanding Biodiversity Significance

Biodiversity Significance Comments

This site includes a good (B-ranked) occurrence of a globally imperiled (G1?/S1) plant species, North Park bugseed (*Corispermum navicula*) that is only known from two locations in the world, and a good (B-ranked) occurrence of a state rare (G5/S3?) Galium sphinx moth (*Hyles galli*). This is thought to be the highest quality occurrence of *C. navicula*. Although the occurrence size has yet to be determined, the East Sand Dunes habitat is in better condition than the North Sand Dunes, the only other location known.

Other Values Rank No Data

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Other Values Comments

No Data

LAND MANAGEMENT ISSUES

Land Use Comments

No Data

Natural Hazard Comments

No Data

Exotics Comments

No exotics were noted.

Offsite

No Data

Information Needs

Confirmation of rare plant species identification, distribution, and abundance. There are taxonomic questions about the *Corispermum* species found at the sand dunes in North Park. Although *Corispermum navicula* is thought to be a valid taxon that is endemic to North Park, Colorado, additional research is needed.

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>
20362	<i>Corispermum navicula</i>	North Park bugseed	G1?	S1	Yes
18616	<i>Hyles gallii</i>	Galium Sphinx Moth	G5	S3?	No

REFERENCES

Reference ID

Full Citation

198407

Culver, D.R., K. Decker, J. Parker, J. Bell, J. Sovell, and J. Huggins. 2010. CNHP Final Report: Identification and Assessment of Important Wetlands within the North Platte Watershed, CO. Colorado Natural Heritage Program, Fort Collins, CO.

ADDITIONAL TOPICS

Additional Topics

No Data

VERSION

Version Date 04/09/2009

Version Author Panjabi, S.S.

Disclaimer

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