

Level 4 Potential Conservation Area (PCA) Report

Name Flat Top to Bostwick Park

Site Code S.USCOHP*18465

IDENTIFIERS

Site ID 238 Site Class PCA
Site Alias Landfill Road/Bostwick Park Road

Network of Conservation Areas (NCA)

<u>NCA Site ID</u>	<u>NCA Site Code</u>	<u>NCA Site Name</u>
2465	S.USCOHP*27034	Adobe Hills

LOCATORS

Nation United States Latitude 383318N
State Colorado Longitude 1074934W

<u>Quad Code</u>	<u>Quad Name</u>
38107-E7	Red Rock Canyon
38107-E8	Olathe

County

Montrose (CO)

<u>Watershed Code</u>	<u>Watershed Name</u>
14020002	Upper Gunnison
14020006	Uncompahange

SITE DESCRIPTION

Minimum Elevation	5,462.00 Feet	1,664.82 Meters
Maximum Elevation	7,795.00 Feet	2,375.92 Meters

Site Description

This site has steeper hills than the areas to the south. Barren adobe soils are heavily eroded, but in places support a diversity of desert shrubs including mat saltbush and shadscale, with woody aster and milkvetch. Colorado desert-parsley (*Lomatium concinnum*) and adobe beardtongue (*Penstemon retrorsus*) occur on ridges and in small draws on the hills. The elevation increases to the east, finally reaching the mesa top at Bostwick Park, where there are pinon and juniper woodlands. The good-neighbor bladderpod (*Lesquerella vicina*) was found in pinon - juniper and mountain sagebrush communities near the top of the site. Associated species here included long-leaf phlox (*Phlox longifolia*), Indian rice grass (*Oryzopsis hymenoides*), thrift mock goldenweed, Easter daisy, and stemless daisy (*Hymenoxys acaulis*). The rare plants occurred in both ungrazed and areas that were heavily grazed by cattle, deer and elk. Cheatgrass (*Bromus tectorum*) was abundant in the grazed areas. The site includes roads, ATV trails, water diversions and a seasonal drainage. A mountain lion and a corn snake were observed.

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 07/28/2009
Designer Panjabi, S.S.

Boundary Justification

The boundary is drawn to encompass a cluster of element occurrences along the Landfill and Bostwick Park roads, additional potential habitat, and the local mosaic of plant communities. The boundary was digitized while referencing a one meter digital color orthophoto quad.

Primary Area 12,733.53 Acres 5,153.10 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B2: Very High Biodiversity Significance

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Biodiversity Significance Comments

This site contains several excellent (A-ranked), good (B-ranked) and fair (C-ranked) occurrences of the globally imperiled (G2G3/S2S3) Colorado desert-parsley (*Lomatium concinnum*), good (B-ranked) occurrences of the globally imperiled (G2G3/S2S3) adobe thistle (*Cirsium perplexans*), a good (B-ranked) occurrence of the globally imperiled (G2/S2) good-neighbor bladderpod (*Lesquerella vicina*) and excellent (A-ranked) occurrences of the globally vulnerable (G3/S3) adobe beardtongue (*Penstemon retrorsus*). There is also an extant occurrence of the globally imperiled juniper tumble mustard (*Thelypodopsis juniperorum*).

Other Values Rank No Data

Other Values Comments

Open space, recreation.

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 State ID</u>	<u>State Scientific Name</u>	<u>State Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>	<u>Driving Site Rank</u>
16795	<i>Penstemon retrorsus</i>	adobe beardtongue	G3	S3	No
23232	<i>Lomatium concinnum</i>	Colorado desert-parsley	G2G3	S2S3	Yes
20366	<i>Lesquerella vicina</i>	good-neighbor bladderpod	G2	S2	No
16795	<i>Penstemon retrorsus</i>	adobe beardtongue	G3	S3	No
16795	<i>Penstemon retrorsus</i>	adobe beardtongue	G3	S3	No
20366	<i>Lesquerella vicina</i>	good-neighbor bladderpod	G2	S2	Yes
16795	<i>Penstemon retrorsus</i>	adobe beardtongue	G3	S3	No
24655	<i>Atriplex confertifolia</i> / <i>Leymus salinus</i> Shrubland	Cold Desert Shrublands	G3G5	S3	No
23232	<i>Lomatium concinnum</i>	Colorado desert-parsley	G2G3	S2S3	No
16795	<i>Penstemon retrorsus</i>	adobe beardtongue	G3	S3	No
22079	<i>Cirsium perplexans</i>	adobe thistle	G2G3	S2S3	No
22079	<i>Cirsium perplexans</i>	adobe thistle	G2G3	S2S3	Yes
24362	<i>Oreocarya longiflora</i>	long-flower cat's-eye	G3	S3	No
23232	<i>Lomatium concinnum</i>	Colorado desert-parsley	G2G3	S2S3	Yes
23232	<i>Lomatium concinnum</i>	Colorado desert-parsley	G2G3	S2S3	Yes
16795	<i>Penstemon retrorsus</i>	adobe beardtongue	G3	S3	No
23232	<i>Lomatium concinnum</i>	Colorado desert-parsley	G2G3	S2S3	Yes
22079	<i>Cirsium perplexans</i>	adobe thistle	G2G3	S2S3	No
23232	<i>Lomatium concinnum</i>	Colorado desert-parsley	G2G3	S2S3	Yes
23232	<i>Lomatium concinnum</i>	Colorado desert-parsley	G2G3	S2S3	Yes
23232	<i>Lomatium concinnum</i>	Colorado desert-parsley	G2G3	S2S3	No
23232	<i>Lomatium concinnum</i>	Colorado desert-parsley	G2G3	S2S3	Yes
22079	<i>Cirsium perplexans</i>	adobe thistle	G2G3	S2S3	Yes
23232	<i>Lomatium concinnum</i>	Colorado desert-parsley	G2G3	S2S3	Yes
22079	<i>Cirsium perplexans</i>	adobe thistle	G2G3	S2S3	No
22878	<i>Thelypodopsis juniperorum</i>	juniper tumble mustard	G2	S2	No

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REFERENCES

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

ADDITIONAL TOPICS

Additional Topics

Original site design by Lyon, M.J. 1998-11-30.

VERSION

Version Date 07/28/2009

Version Author Lyon, M.J. and S.S. Panjabi

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