

Level 4 Potential Conservation Area (PCA) Report

Name East Toe South

Site Code S.USCOHP*1519

IDENTIFIERS

Site ID 1883 Site Class PCA
Site Alias East Toe
Site Alias East Toe East

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 370951N
State Colorado Longitude 1084655W

<u>Quad Code</u>	<u>Quad Name</u>
37108-B7	Mariano Wash East
37108-B6	Towaoc

County

Montezuma (CO)

<u>Watershed Code</u>	<u>Watershed Name</u>
14080107	Mancos
14080201	Lower San Juan-Four Corners

SITE DESCRIPTION

Minimum Elevation	5,385.00 Feet	1,641.35 Meters
Maximum Elevation	6,030.00 Feet	1,837.94 Meters

Site Description

South of East Toe summit, lower elevations support a matrix of scattered shale, sparse juniper, semi-desert shrub-steppe and salt desert scrub which provide habitat for several globally rare plants. Associated species include Gardner's saltbush (*Atriplex gardneri*), James' galleta (*Hilaria jamesii*), alkali sacaton (*Sporobolus airoides*), budsage (*Artemisia spinescens*) and rabbitbrush (*Chrysothamnus* spp.). Local roads traverse the landscape and developed areas and agricultural lands are on the fringe of the site.

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 12/09/2005
Designer Lavender, A.E.

Boundary Justification

The boundary includes the lower elevations below Sleeping Ute Mountain. It was derived primarily from the known extent of the rare plant occurrences, SW ReGap landcover and elevation data. An on-site visit is needed to further refine the boundary.

Primary Area	12,622.81 Acres	5,108.29 Hectares
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SITE SIGNIFICANCE

Biodiversity Significance Rank B1: Outstanding Biodiversity Significance

Biodiversity Significance Comments

This site includes all known occurrences of Sleeping Ute milkvetch (*Astragalus tortipes*), a narrow endemic that is globally critically imperiled (G1/S1). One occurrence is in good condition (B-ranked) and one is in fair condition (C-ranked). The site also supports historical occurrences of following: the globally imperiled (G2/S2) Cronquist's milkvetch (*Astragalus cronquistii*), the globally imperiled (G2/S1) Comb Wash

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buckwheat (*Eriogonum clavellatum*), the globally vulnerable (G3/S2) little penstemon (*Penstemon breviculus*), and the state rare (G4/S1) Jones blue star (*Amsonia jonesii*).

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

An on-site visit is needed to verify site boundaries and quality of rare plant populations. Based on digital orthophotos, habitat appears to still be present where occurrences were historically documented.

ASSOCIATED ELEMENTS OF BIODIVERSITY

Element State ID	State Scientific Name	State Common Name	Global Rank	State Rank	Driving Site Rank
20299	<i>Astragalus tortipes</i>	Sleeping Ute milkvetch	G1	S1	Yes
17093	<i>Astragalus cronquistii</i>	Cronquist's milkvetch	G2	S2	No
20299	<i>Astragalus tortipes</i>	Sleeping Ute milkvetch	G1	S1	Yes
17093	<i>Astragalus cronquistii</i>	Cronquist's milkvetch	G2	S2	No
17093	<i>Astragalus cronquistii</i>	Cronquist's milkvetch	G2	S2	No
17093	<i>Astragalus cronquistii</i>	Cronquist's milkvetch	G2	S2	No
21168	<i>Eriogonum clavellatum</i>	Comb Wash buckwheat	G2	S1	No
21168	<i>Eriogonum clavellatum</i>	Comb Wash buckwheat	G2	S1	No
18648	<i>Amsonia jonesii</i>	Jones blue star	G4	S1	No
17093	<i>Astragalus cronquistii</i>	Cronquist's milkvetch	G2	S2	No
21168	<i>Eriogonum clavellatum</i>	Comb Wash buckwheat	G2	S1	No
21168	<i>Eriogonum clavellatum</i>	Comb Wash buckwheat	G2	S1	No
23967	<i>Penstemon breviculus</i>	little penstemon	G3	S2	No
21168	<i>Eriogonum clavellatum</i>	Comb Wash buckwheat	G2	S1	No

REFERENCES

Reference ID	Full Citation
173580	Anderson, J.L. and J.M. Porter. 1994. <i>Astragalus tortipes</i> (Fabaceae), a new species from desert badlands in southwestern Colorado and its phylogenetic relationships within <i>Astragalus</i> . <i>Systematic Botany</i> 19(1):116-125.
193503	RS/GIS Laboratory, College of Natural Resources, Utah State University. 2004. 'PROVISIONAL' Digital Landcover Dataset for the Southwestern United States. Version 1.0. Online: http://earth.gis.usu.edu/swgap .

ADDITIONAL TOPICS

Additional Topics

Original site design by Reid, M. 1991-05-01.

VERSION

Version Date 04/22/2009
Version Author Panjabi, S.S.

Disclaimer

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