

Level 4 Potential Conservation Area (PCA) Report

Name Gilligan's Island

Site Code S.USCOHP*26603

IDENTIFIERS

Site ID 2388 Site Class PCA
Site Alias Taylor Arroyo

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 372710N
State Colorado Longitude 1040350W

Quad Code Quad Name

37104-D1 Brown Sheep Camp

County

Las Animas (CO)

Watershed Code Watershed Name

11020005 Upper Arkansas-Lake Meredith
11020010 Purgatoire

SITE DESCRIPTION

| | | |
|-------------------|---------------|-----------------|
| Minimum Elevation | 5,235.00 Feet | 1,595.63 Meters |
| Maximum Elevation | 5,915.00 Feet | 1,802.89 Meters |

Site Description

The Gilligan's Island site includes a mix of shortgrass prairie, pinon - juniper woodlands, and sparsely vegetated outcrops of Greenhorn limestone. Steep colluvial sideslopes of mesas and hills reveal limestone outcrops and support concentrations of the globally imperiled plant species, *Oxybaphus rotundifolius*. Other plant species found at this site include *Juniperus monosperma*, *Forsellesia planitierum*, *Frankenia jamesii*, *Achnatherum hymenoides*, *Tetaneuris acaulis*, *Bouteloua curtipendula*, *Hesperostipa neomexicana*, *Eriogonum* sp., *Penstemon auriberbis*, *Asclepia asperula*, *Yucca glauca*, *Artemisia bigelovii*, *Gutierrezia sarothrae*, *Paronychia jamesii*, *Eriogonum* sp., *Hilaria jamesii*, *Atriplex canescens*, and *Krascheninnikovia lanata*.

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 12/10/2007
Designer Panjabi, S.S.

Boundary Justification

The boundary is drawn to include the element occurrences and additional potential habitat, as well as some representation of the locally adjacent plant communities.

Primary Area 15,634.57 Acres 6,327.11 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B2: Very High Biodiversity Significance

Biodiversity Significance Comments

This site supports two excellent (A-ranked) occurrences of the globally imperiled (G2/S2) round-leaf four-o'clock (*Oxybaphus rotundifolius*). These occurrences are also significant because they are disjunct from the main part of the species' range.

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 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> |
| 23147 | <i>Oxybaphus rotundifolius</i> | round-leaf four-o'clock | G2 | S2 | Yes |
| 23147 | <i>Oxybaphus rotundifolius</i> | round-leaf four-o'clock | G2 | S2 | Yes |

REFERENCES

| <u>Reference ID</u> | <u>Full Citation</u> |
|---------------------|--|
| 195013 | Neid, S., K. Decker, J. Handwerk, and S. Spackman Panjabi. 2007. Final Report: Rare Plant Surveys on Pinon Canyon Maneuver Site 2006-2007. Colorado Natural Heritage Program, Fort Collins, CO. |
| 198519 | Rondeau, R.J., J.R. Sovell, J.E. Stevens, D. Clark and L. Grunau. 2010. Final Report: Southeast Colorado Survey of Critical Biological Resources 2009. Addendum to the 2007 Survey. Colorado Natural Heritage Program, Fort Collins, CO. |
| 194961 | Spackman Panjabi, S. and K. Decker. 2007. Front Range Eco-regional Partnership Invasive Plant Species Strategic Plan. Unpublished report prepared for the U.S. Department of Defense by the Colorado Natural Heritage Program, Fort Collins, CO. |

ADDITIONAL TOPICS

Additional Topics

Original site design by Culver, D.R. 2006-11-01.

VERSION

| | |
|-----------------------|---------------|
| Version Date | 12/10/2007 |
| Version Author | Panjabi, S.S. |

Disclaimer

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