

Level 4 Potential Conservation Area (PCA) Report

Name Clear Creek

Site Code S.USCOHP*1356

IDENTIFIERS

Site ID 702 Site Class PCA

Site Alias Garfield County Clear Creek Macrosite

Network of Conservation Areas (NCA)

| <u>NCA Site ID</u> | <u>NCA Site Code</u> | <u>NCA Site Name</u> |
|--------------------|----------------------|----------------------|
| 2470 | S.USCOHP*27039 | Roan |

Site Relations Contained in Roan (S.USCOHP*27039). This site slightly overlaps the Skinner Ridge site (S.USCOHP*21722).

SITE DESCRIPTION

Minimum Elevation 5,513.00 Feet 1,680.00 Meters

Maximum Elevation 8,000.00 Feet 2,438.00 Meters

Site Description

Clear Creek, a tributary of Roan Creek, is a major drainage of the Roan Plateau, and includes numerous small side drainages. The lower part of the drainage is composed of the Wasatch formation, while the upper part and the steep sides are in the Green River formation, marlstones below and Parachute Creek member above. Significant areas within this large site include Red Point, Sheep Gulch, Mud Springs Creek, Camp Gulch, Deer Park Gulch, Scott Gulch, Buck Gulch, Doe Gulch, and Tom's Creek Canyon. The site is almost completely privately owned, primarily by large oil companies. There are a few small BLM parcels included.

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 02/01/2001

Designer Lyon, M.J.

Boundary Justification

The boundary is drawn to include Clear Creek and its tributaries, with their Green River shale canyonsides, to the rim, but does not include the mesa tops. It includes springs at the head of tributaries that support the hanging garden sullivania. Some unoccupied habitat for the shale endemic plants is included to allow for movement of the plant populations over time, as landslides open up new sites, and existing sites become too heavily vegetated for the targeted species.

Primary Area 14,173.85 Acres 5,735.98 Hectares

SITE SIGNIFICANCE

Biodiversity Significance Rank B2: Very High Biodiversity Significance

Biodiversity Significance Comments

This site contains good (B-ranked) and excellent (A-ranked) occurrences of several plant species which are vulnerable on a global scale. It also contains occurrences of plant communities which are imperiled or vulnerable on a global scale.

Other Values Rank No Data

Other Values Comments

No Data

ASSOCIATED ELEMENTS OF BIODIVERSITY

| <u>Element</u> | | | <u>Global Rank</u> | <u>State Rank</u> | <u>Driving Site Rank</u> |
|-----------------|--|--------------------------|--------------------|-------------------|--------------------------|
| <u>State ID</u> | <u>State Scientific Name</u> | <u>State Common Name</u> | | | |
| 24683 | <i>Atriplex confertifolia</i> / <i>Achnatherum hymenoides</i> Shrubland | Cold Desert Shrublands | G3 | S2 | N |

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| Name | Clear Creek | Site Code | S.USCOHP*1356 |
|-------|--|--|---------------|
| 24592 | <i>Pseudotsuga menziesii</i> / <i>Symphoricarpos oreophilus</i> Forest | Western Slope Douglas Fir Forests | G5 S4 N |
| 17361 | <i>Nuttallia rhizomata</i> | Roan Cliffs blazing star | G2 S2 N |
| 19708 | <i>Vulpes macrotis</i> | Kit Fox | G4 S1 N |
| 24862 | <i>Catabrosa aquatica</i> - <i>Mimulus</i> ssp. <i>Spring Wetland</i> | Spring Wetland | GU S2 N |
| 18994 | <i>Argillochloa dasyclada</i> | Utah fescue | G3 S3 N |
| 21414 | <i>Thalictrum heliophilum</i> | sun-loving meadowrue | G2 S2 N |
| 22214 | <i>Sullivantia hapemanii</i> var. <i>purpusii</i> | Hanging Garden sullivantia | G3T3 S3 N |
| 17361 | <i>Nuttallia rhizomata</i> | Roan Cliffs blazing star | G2 S2 N |
| 18994 | <i>Argillochloa dasyclada</i> | Utah fescue | G3 S3 N |
| 21414 | <i>Thalictrum heliophilum</i> | sun-loving meadowrue | G2 S2 Y |
| 22214 | <i>Sullivantia hapemanii</i> var. <i>purpusii</i> | Hanging Garden sullivantia | G3T3 S3 N |
| 24830 | <i>Pinus edulis</i> - <i>Juniperus</i> spp. / <i>Cercocarpus montanus</i> Woodland | Mesic Western Slope Pinyon-Juniper Woodlands | G5 S5 N |
| 24619 | <i>Populus angustifolia</i> / <i>Rhus trilobata</i> Woodland | Narrowleaf Cottonwood/Skunkbrush | G3 S3 N |
| 24683 | <i>Atriplex confertifolia</i> / <i>Achnatherum hymenoides</i> Shrubland | Cold Desert Shrublands | G3 S2 N |
| 21414 | <i>Thalictrum heliophilum</i> | sun-loving meadowrue | G2 S2 N |
| 22214 | <i>Sullivantia hapemanii</i> var. <i>purpusii</i> | Hanging Garden sullivantia | G3T3 S3 N |
| 22214 | <i>Sullivantia hapemanii</i> var. <i>purpusii</i> | Hanging Garden sullivantia | G3T3 S3 N |
| 18994 | <i>Argillochloa dasyclada</i> | Utah fescue | G3 S3 N |
| 24554 | <i>Pseudoroegneria spicata</i> - <i>Achnatherum hymenoides</i> Herbaceous Vegetation | Western Slope Grasslands | G3G4 S1 N |
| 22214 | <i>Sullivantia hapemanii</i> var. <i>purpusii</i> | Hanging Garden sullivantia | G3T3 S3 N |
| 22214 | <i>Sullivantia hapemanii</i> var. <i>purpusii</i> | Hanging Garden sullivantia | G3T3 S3 N |
| 24522 | <i>Atriplex confertifolia</i> / <i>Pseudoroegneria spicata</i> Shrubland | Cold Desert Shrublands | G3 S2 N |
| 18994 | <i>Argillochloa dasyclada</i> | Utah fescue | G3 S3 N |
| 24592 | <i>Pseudotsuga menziesii</i> / <i>Symphoricarpos oreophilus</i> Forest | Western Slope Douglas Fir Forests | G5 S4 N |

LAND MANAGEMENT ISSUES

Land Use Comments

No Data

Natural Hazard Comments

No Data

Exotics Comments

No Data

Offsite

No Data

Information Needs

Many occurrences are historical. Need current field survey to verify quality of rare plant populations.

REFERENCES

| Reference ID | Full Citation |
|--------------|---------------|
| - | No Data |

ADDITIONAL TOPICS

Additional Topics

No Data

LOCATORS

| | | | |
|---------------|---------------|------------------|----------|
| Nation | United States | Latitude | 393343N |
| State | Colorado | Longitude | 1082035W |

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Name Clear Creek

Site Code S.USCOHP*1356

| <u>Quad Code</u> | <u>Quad Name</u> |
|------------------|--------------------|
| 39108-E3 | Mount Blaine |
| 39108-E4 | Desert Gulch |
| 39108-F3 | Bull Fork |
| 39108-F4 | Figure Four Spring |
| 39108-D3 | Long Point |

County

Garfield (CO)

| <u>Watershed Code</u> | <u>Watershed Name</u> |
|-----------------------|-----------------------|
| 14010006 | Parachute-Roan |

VERSION

Version Date 02/01/2001

Version Author Lyon, M.J.

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