

# Ecological site group DX035X02CESG15

## Coconino Transition - Ustic Aridic - Basalt Hills

Last updated: 10/25/2022  
Accessed: 04/19/2024

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### Key Characteristics

- Coconino Transition (C)
- Soil at site is basalt or clayey.
- Site soils are ustic aridic or within a 10-14" precipitation zone.
- Site is and/or located on a hill with slopes >15%.

Provisional. A provisional ecological site description has undergone quality control and quality assurance review. It contains a working state and transition model and enough information to identify the ecological site.

### Physiography

Site is and/or located on a hill with slopes >15%. Aspects tend to be northeast except valleys near Truxton Wash and Aubrey Valley.

### Climate

Site soils are ustic aridic or within a 10-14" precipitation zone. Precipitation comes predominantly from monsoonal patterns during months of July, August, and September. Winter precipitation is equally predominant in the northern half of the LRU.

### Soil features

Parent material is basalt. Soils are clay loam or clayey. Site consists of gently dipping shallow or moderately deep residuum weathered from basalt rocks eroded into steep hills, cliff faces and canyons.

### Major Land Resource Area

MLRA 035X  
Colorado Plateau

### Subclasses

- R035XC347AZ–Basalt Hills 10-14" p.z. Cobbly

### Correlated Map Unit Components

22391232, 22394075, 22393991

### Stage

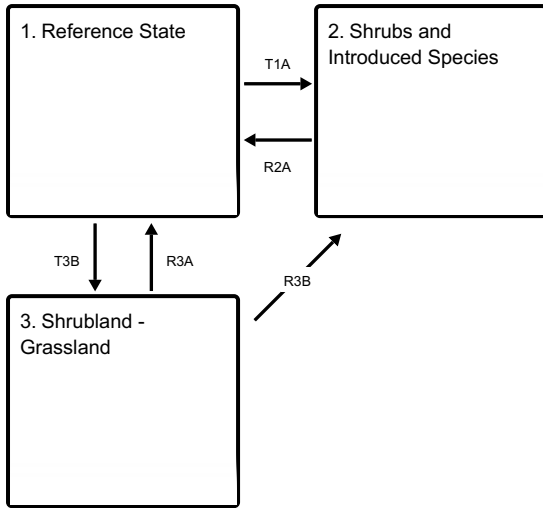
Provisional

### Contributors

Curtis Talbot

# State and transition model

## Ecosystem states



## State 1 Reference State

Cliff rose - Ephedra - yucca - juniper

## State 2 Shrubs and Introduced Species

Cheat grass - snake weed - rabbitbrush

## State 3 Shrubland - Grassland

Cliff rose - ephedra - yucca - galleta - needle and thread - Indian Rice grass

## Transition T1A State 1 to 2

High repetitive utilization of palatable grass and shrubs with and increase on lesser-palatable shrubs and introduced species.

## Transition T3B State 1 to 3

Shrubs dominate over time, but introduced species have not invaded.

## Restoration pathway R2A State 2 to 1

A disturbance to set the shrubs back along with improved management for grasses.

## Restoration pathway R3A State 3 to 1

A restoring of native grasses through improved management with a decrease of shrubs.

## Restoration pathway R3B State 3 to 2

Colonization of introduced species.

## **Citations**