

# Ecological site group DX035X02CESG05

## Coconino Transition - Aridic Ustic - Limestone or Loamy Hills

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### Key Characteristics

- Coconino Transition (C)
- Site parent material is limestone or dolomite, or soil is loamy.
- Site soils are aridic ustic or within a 13-17" 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 hills with slopes >15%. Aspects tend to be northeast except valleys near Truxton Wash and Aubrey Valley.

### Climate

Site soils are aridic ustic or within a 13-17" 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

Limestone or loamy soils. Site consists of gently dipping shallow residuum weathered from sedimentary rocks eroded into steep cliff faces and canyons.

### Major Land Resource Area

MLRA 035X  
Colorado Plateau

### Subclasses

- F035XF613AZ–Limestone Hills 13-17" p.z. (PIED, JUOS)
- F035XG712AZ–Limestone Hills 14-18" p.z. (JUOS, PINUS)

### Correlated Map Unit Components

22391267, 22391266

### Stage

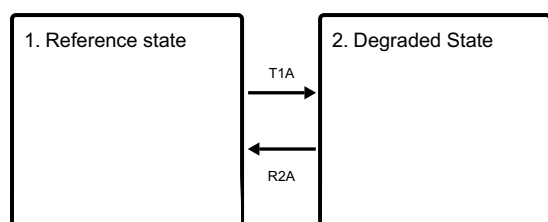
Provisional

### Contributors

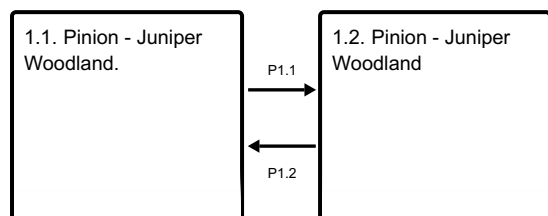
Curtis Talbot

## State and transition model

### Ecosystem states



### State 1 submodel, plant communities



## State 1

### Reference state

Pinyon-juniper with understory of shrubs and grasses.

### Community 1.1

#### Pinion - Juniper Woodland.

Pinion - Juniper with shrubs and grasses

### Community 1.2

#### Pinion - Juniper Woodland

Pinion - Juniper Woodland with light understory of shrubs and grasses

### Pathway P1.1

#### Community 1.1 to 1.2

A decrease in understory due to excessive grazing and browsing.

### Pathway P1.2

#### Community 1.2 to 1.1

Management to improve understory. It may include thinning of pinyon and juniper.

## State 2

### Degraded State

Loss of plant and soil resources have increased erosion.

### Transition T1A

#### State 1 to 2

Severe ecosystem degradation and loss of plant and soil resources due to excessive herbivory, drought, or disease.

### Restoration pathway R2A

#### State 2 to 1

Very long term restoration of ecosystem health.

**Citations**