

# Ecological site group DX035X02CESG10

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

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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 14-18" precipitation zone.
- Site is and/or located on a cliff with slopes >50%.

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 cliff with slopes >50%. Aspects tend to be northeast except valleys near Truxton Wash and Aubrey Valley.

### Climate

Site soils are aridic ustic or within a 14-18" 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 limestone. Soils are loamy. 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

- R035XF601AZ–Sedimentary Cliffs 13-17" p.z.
- R035XG702AZ–Breaks 14-18" p.z.

### Correlated Map Unit Components

22391247

### Stage

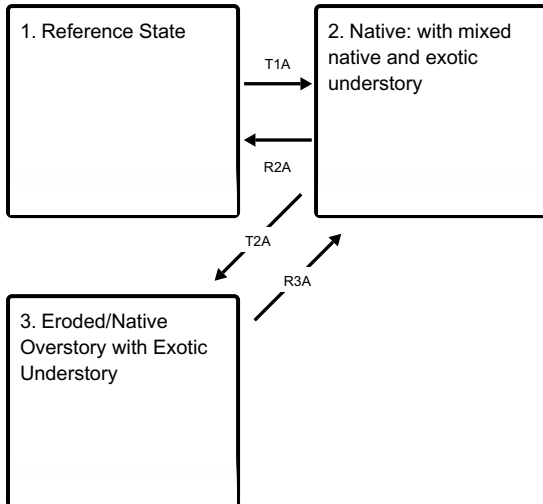
Provisional

### Contributors

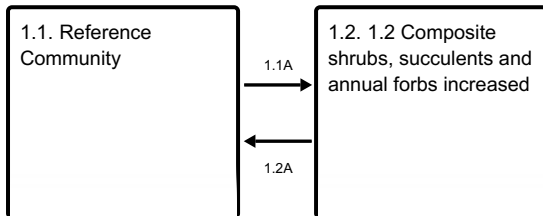
Curtis Talbot

# State and transition model

## Ecosystem states



## State 1 submodel, plant communities



## State 1

### Reference State

Juniper/Pinon, grasses, shrubs and forbs

### Community 1.1

#### Reference Community

Juniper/Pinon, grasses, shrubs and forbs

### Community 1.2

#### 1.2 Composite shrubs, succulents and annual forbs increased

### Pathway 1.1A

#### Community 1.1 to 1.2

A decrease in palatable plant species.

### Pathway 1.2A

#### Community 1.2 to 1.1

Management that improves palatable plant species.

## State 2

### Native: with mixed native and exotic understory

## State 3

### Eroded/Native Overstory with Exotic Understory

Native Overstory with exotic understory

**Transition T1A****State 1 to 2**

A loss of ecosystem function and invasion of introduced species.

**Restoration pathway R2A****State 2 to 1**

Restoration of ecosystem function with native species out-competing exotic species.

**Transition T2A****State 2 to 3**

Further degradation of ecosystem.

**Restoration pathway R3A****State 3 to 2**

Long term restoration building soil, plant, and hydrologic health.

**Citations**