

# Ecological site group DX035X02CESG16

## Coconino Transition - Aridic Ustic - Basalt or Clayey Upland

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### Key Characteristics

- Coconino Transition (C)
- Soil at site is basalt or clayey.
- Site soils are aridic ustic or within a 14-18" precipitation zone.
- Site is and/or located in an upland 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 in an upland 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 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 basalt. Soils are clay loam or clayey. Site consists of gently dipping shallow and moderately deep residuum weathered from basalt rocks eroded into steep cliff faces and canyons.

### Major Land Resource Area

MLRA 035X  
Colorado Plateau

### Subclasses

- R035XF603AZ—Clay Loam Upland 13-17" p.z.
- R035XG701AZ—Basalt Upland 14-18" p.z.
- R035XG704AZ—Cinder Upland 14-18" p.z.
- R035XG706AZ—Clayey Upland 14-18" p.z.

### Correlated Map Unit Components

22353532, 22353530, 22353533, 22353535, 22353538, 22353539, 22353541, 22353542, 22353769, 22353771, 22353773, 22353777, 22353780, 22353783, 22353828, 22391434, 23195924, 23195934, 23195967, 22976300, 22976318, 22976324

### Stage

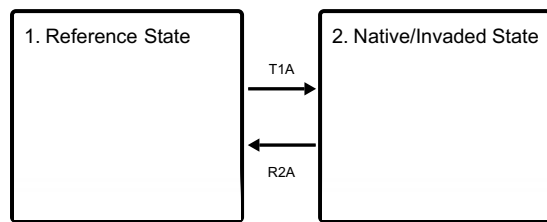
Provisional

## Contributors

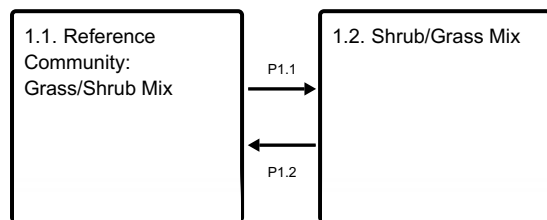
Curtis Talbot

## State and transition model

### Ecosystem states



### State 1 submodel, plant communities



## State 1

### Reference State

Western wheatgrass - Snakeweed - Rabbitbrush/Blue grama - Squirreldtail

## Community 1.1

### Reference Community: Grass/Shrub Mix

Western wheatgrass - Blue grama/Big sagebrush

## Community 1.2

### Shrub/Grass Mix

Big sagebrush - snakeweed - Rabbitbrush/Blue grama - squirreldtail

## Pathway P1.1

### Community 1.1 to 1.2

A decrease in palatable species, especially grasses and an increase of shrubs.

## Pathway P1.2

### Community 1.2 to 1.1

Disturbance to set the shrubs back along with management to improve grass composition.

## State 2

### Native/Invaded State

Sagebrush/Blue grama with Annuals, native and non-natives

## Transition T1A

### State 1 to 2

A decline in ecosystem function and a shift to shrub dominant with introduced species.

## **Restoration pathway R2A**

### **State 2 to 1**

A slow restoration of soil, plant, and water function.

### **Citations**