

# Ecological site group DX035X02CESG12

## Coconino Transition - Aridic Ustic - Sandstone or Sandy Upland

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### Key Characteristics

- Coconino Transition (C)
- Soil at site is sandy.
- 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 of sandstone. Soils are sandy loam. Site consists of limited amounts of gently sloping sheet alluvial or eolian deposits over residuum of plateaus and structural benches.

### Major Land Resource Area

MLRA 035X  
Colorado Plateau

### Subclasses

- F035XF636AZ–Sandstone/Quartzite Upland 13-17" p.z. Fine (JUOS)
- R035XA115AZ–Sandstone Upland 10-14" p.z.

### Correlated Map Unit Components

22391223, 22391225, 22391226

### Stage

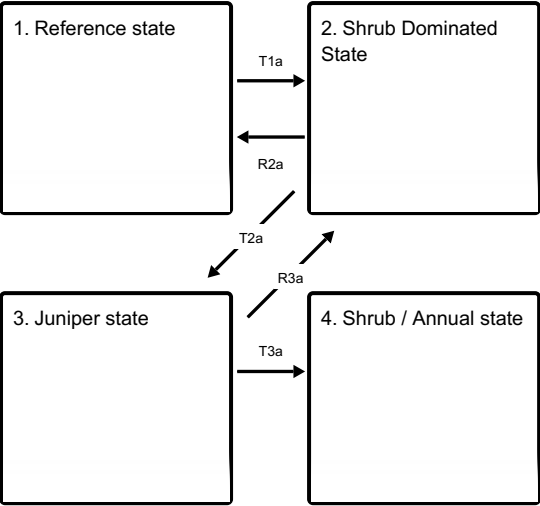
Provisional

### Contributors

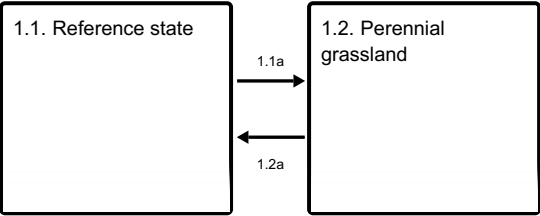
Curtis Talbot

# State and transition model

## Ecosystem states



## State 1 submodel, plant communities



## State 1

### Reference state

Grassland with mixed shrubs

### Community 1.1

#### Reference state

Grassland with mixed shrubs

### Community 1.2

#### Perennial grassland

Perennial grasses and low shrubs

### Pathway 1.1a

#### Community 1.1 to 1.2

A set back to the shrubs.

### Pathway 1.2a

#### Community 1.2 to 1.1

Shrubs gain a competitive advantage over time.

## State 2

### Shrub Dominated State

Mixed shrubland

### **State 3**

#### **Juniper state**

Mixed grass/shrub understory

### **State 4**

#### **Shrub / Annual state**

Native shrubs and annuals

### **Transition T1a**

#### **State 1 to 2**

The depletion of palatable grasses along with competitive regeneration of shrubs.

### **Restoration pathway R2a**

#### **State 2 to 1**

A set back to shrubs along with management to improve grass cover.

### **Transition T2a**

#### **State 2 to 3**

Over time shrubs decrease and juniper increases.

### **Restoration pathway R3a**

#### **State 3 to 2**

A treatment or disturbance on the juniper.

### **Transition T3a**

#### **State 3 to 4**

Treatment of juniper along with excessive grazing pressure and drought.

### **Citations**