

# Ecological site group DX035X02BESG01

## Coconino Plateau - Ustic Aridic - Limestone or Loamy Bottoms

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### Key Characteristics

- Coconino Plateau (B)
- Site parent material is limestone or dolomite, or soil is loamy.
- Site soils are ustic aridic or within a 10-14" precipitation zone.
- Site is and/or located in a wash.

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 bottoms with slopes <3%. Aspects tend to be southwest in the eastern half, and east in the western half of the LRU.

### 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.

### Soil features

Subset subgroup- Parent Material Limestone or Dolomite, or Soil is Loamy. Site consists of broad alluvial deposits in washes, streams or fans, often deep.

### Major Land Resource Area

MLRA 035X  
Colorado Plateau

### Subclasses

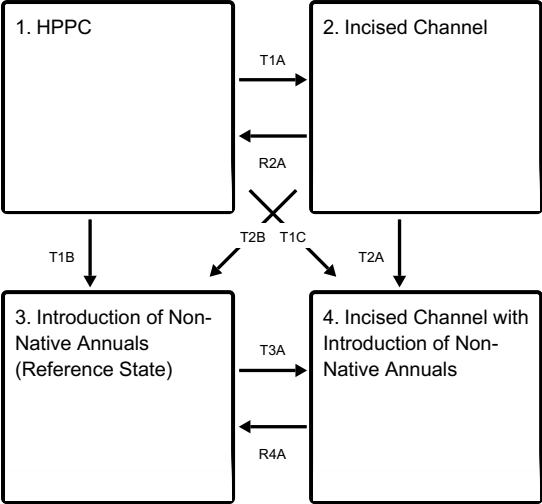
- DX035X01I112–Loamy Wash 10-14" p.z.

### Stage

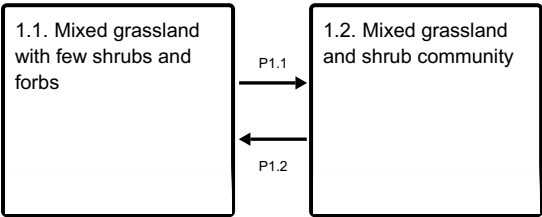
Provisional

### State and transition model

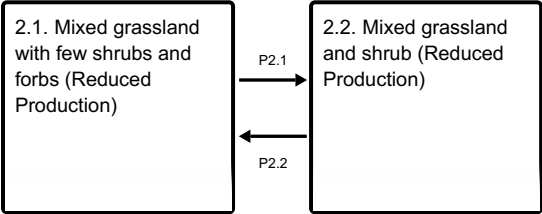
Ecosystem states



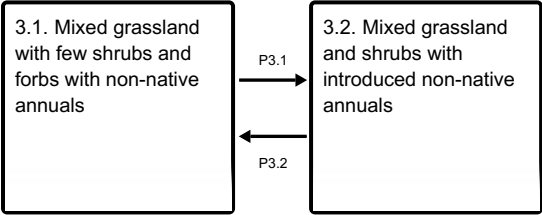
State 1 submodel, plant communities



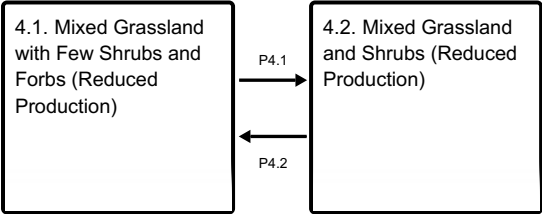
State 2 submodel, plant communities



State 3 submodel, plant communities



State 4 submodel, plant communities



State 1  
HPPC

Community 1.1  
Mixed grassland with few shrubs and forbs

Community 1.2  
Mixed grassland and shrub community

**Pathway P1.1**  
**Community 1.1 to 1.2**

Excessive grazing and/or drought

**Pathway P1.2**  
**Community 1.2 to 1.1**

Improved grazing management and/or return of normal precipitation

**State 2**  
**Incised Channel**

**Community 2.1**  
**Mixed grassland with few shrubs and forbs (Reduced Production)**

**Community 2.2**  
**Mixed grassland and shrub (Reduced Production)**

**Pathway P2.1**  
**Community 2.1 to 2.2**

Excessive grazing and/or drought

**Pathway P2.2**  
**Community 2.2 to 2.1**

Improved grazing management and/or return to normal precipitation

**State 3**  
**Introduction of Non-Native Annuals (Reference State)**

**Community 3.1**  
**Mixed grassland with few shrubs and forbs with non-native annuals**

**Community 3.2**  
**Mixed grassland and shrubs with introduced non-native annuals**

**Pathway P3.1**  
**Community 3.1 to 3.2**

Excessive grazing and/or drought

**Pathway P3.2**  
**Community 3.2 to 3.1**

Improved grazing management and/or return to normal precipitation

**State 4**  
**Incised Channel with Introduction of Non-Native Annuals**

**Community 4.1**  
**Mixed Grassland with Few Shrubs and Forbs (Reduced Production)**

**Community 4.2**  
**Mixed Grassland and Shrubs (Reduced Production)**

**Pathway P4.1**  
**Community 4.1 to 4.2**

Excessive grazing and/or drought

**Pathway P4.2**  
**Community 4.2 to 4.1**

Improved grazing management and/or return to normal precipitation

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

Channel incision

**Transition T1B**  
**State 1 to 3**

Introduction of non-native annuals

**Transition T1C**  
**State 1 to 4**

Channel incision with simultaneous introduction of non-native annuals

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

Channel repair through grade stabilization

**Transition T2B**  
**State 2 to 3**

Channel repair through grade stabilization with simultaneous introduction of non-native annuals

**Transition T2A**  
**State 2 to 4**

Introduction of non-native annuals

**Transition T3A**  
**State 3 to 4**

Channel incision

**Restoration pathway R4A**  
**State 4 to 3**

Channel repair through grade stabilization

**Citations**