

Ecological site group DX035X02CESG04

Coconino Transition - Aridic Ustic - Limestone or Loamy Upland

Last updated: 10/25/2022
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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 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 in 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

Parent Material is Limestone or Dolomite, or soil is loamy. 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

- F035XF615AZ–Loamy Upland 13-17" p.z. Limy (JUOS, PIMO)
- F035XF619AZ–Limestone Upland 13-17" p.z. (JUOS, PIED)
- F035XG714AZ–Limestone Upland 14-18" p.z. (PIED, JUOS)
- R035XF605AZ–Loamy Upland 13-17" p.z.

Correlated Map Unit Components

22391306, 22391305, 22391236, 22391281, 22391444, 22391447, 22391446, 22391293, 22391294, 22391296

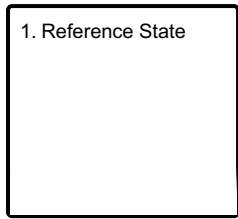
Stage

Provisional

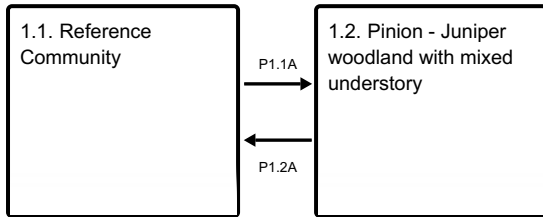
Contributors

State and transition model

Ecosystem states



State 1 submodel, plant communities



State 1 Reference State

Community 1.1 Reference Community

Juniper-Pinion woodland. Understory cliffrose, turbinella oak, side oats grama, mutton grass, blue grama and squirreltail.

Community 1.2 Pinion - Juniper woodland with mixed understory

Juniper dominated overstory with Pinion. Understory cliffrose, Mormon tea, big sage, bana yucca, blue grama and squirreltail.

Pathway P1.1A Community 1.1 to 1.2

A decrease in grasses and increase in shrubs within the understory due to excessive herbivory of palatable species.

Pathway P1.2A Community 1.2 to 1.1

Management to increase grass species along with a set-back to the shrubs.

Citations