

Ecological site group DX035X02BESG11

Coconino Plateau - Ustic Aridic - Sandstone or Sandy Loam Upland

Last updated: 10/25/2022
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Key Characteristics

- Coconino Plateau (B)
- Site parent material is sandstone or soil is a sandy loam.
- 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 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

Sandstone or Sandy Loam Subgroup. Site consists of limited amounts of gently sloping sheet alluvial or eolian deposits over residuum of plateaus and structural benches.

Vegetation dynamics

The group State and Transition Model (STM) is incomplete. Please refer to the associated ecological sites in the subclasses for STMs.

Major Land Resource Area

MLRA 035X
Colorado Plateau

Subclasses

- DX035X01I117–Sandy Loam Upland 10-14" p.z.
- F035XC322AZ–Sandstone Upland 10-14" p.z. (JUOS)
- R035XA115AZ–Sandstone Upland 10-14" p.z.
- R035XD414AZ–Sandy Loam Upland 7-11" p.z.

Correlated Map Unit Components

22341098, 22341114, 22388426, 22395053, 22396769, 22396840

Stage

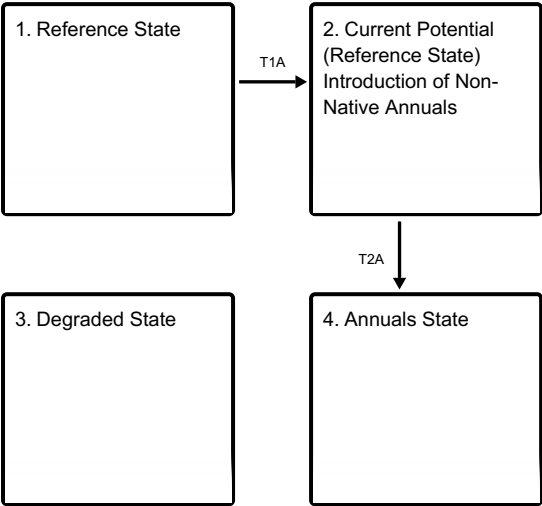
Provisional

Contributors

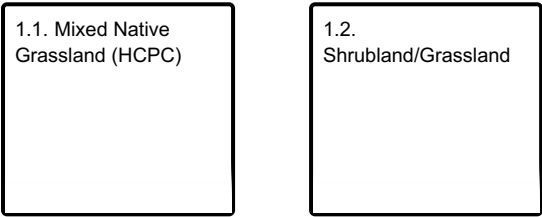
Steve Cassady
Curtis Talbot

State and transition model

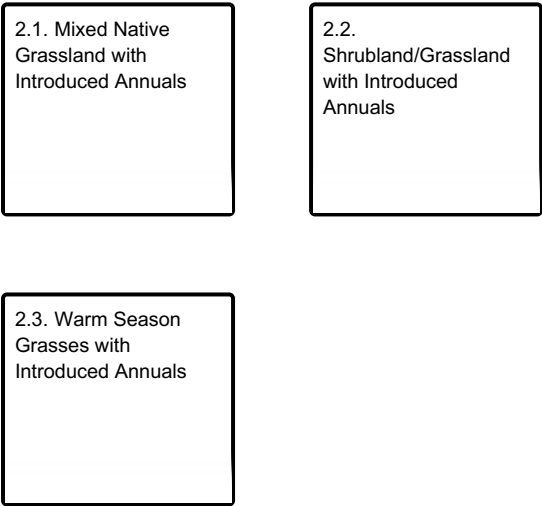
Ecosystem states



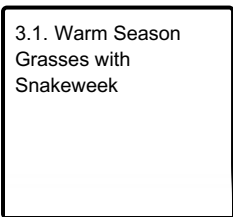
State 1 submodel, plant communities



State 2 submodel, plant communities



State 3 submodel, plant communities



State 4 submodel, plant communities

4.1. Annuals State

State 1 Reference State

Community 1.1
Mixed Native Grassland (HCPC)

Community 1.2
Shrubland/Grassland

State 2 Current Potential (Reference State) Introduction of Non-Native Annuals

Community 2.1
Mixed Native Grassland with Introduced Annuals

Community 2.2
Shrubland/Grassland with Introduced Annuals

Community 2.3
Warm Season Grasses with Introduced Annuals

State 3 Degraded State

Community 3.1
Warm Season Grasses with Snakeweed

State 4 Annuals State

Community 4.1
Annuals State

Transition T1A State 1 to 2

the introduction of non-native annual grasses and forbs creates an irreversible change in the plant community.

Transition T2A State 2 to 4

Citations