Ecological site group DX035X02BESG10
Coconino Plateau - Ustic Aridic - Volcanic Hills

Last updated: 10/25/2022
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Key Characteristics

- Coconino Plateau (B)
- Site parent material is volcanic.
- Site is and/or located on a hill 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

Volcanic Subgroup. Site consists of gently dipping shallow or moderately deep residuum weathered from basalt or andesite rocks eroded into steep cliff faces and canyons.

Major Land Resource Area

MLRA 035X
Colorado Plateau

Subclasses

- F035XG703AZ–Cinder Hills 14-18" p.z. (JUOS, PIED)
- R035XA102AZ–Tephra Hills, Loamy 10-14" p.z.
- R035XA108AZ–Tephra Uplands 10-14" p.z.

Correlated Map Unit Components

22341120, 22341118, 22341204, 22341206, 22341207, 22341210, 22341211, 22341596, 22341635, 22341636, 22341591, 22341595, 22341602, 22341638, 22393996, 22393994, 22396624, 23170433

Stage

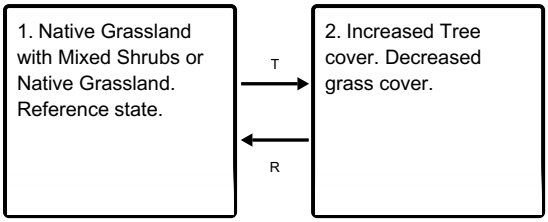
Provisional

Contributors

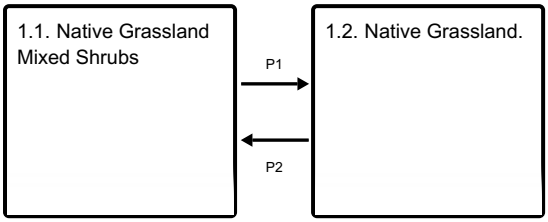
Curtis Talbot

State and transition model

Ecosystem states



State 1 submodel, plant communities



State 1
Native Grassland with Mixed Shrubs or Native Grassland. Reference state.

Community 1.1
Native Grassland Mixed Shrubs

Community 1.2
Native Grassland.

Pathway P1
Community 1.1 to 1.2

Drought

Pathway P2
Community 1.2 to 1.1

Seedling recruitment. Above Average rainfall.

State 2
Increased Tree cover. Decreased grass cover.

Transition T
State 1 to 2

Lack of natural fire regime. improper grazing management.

Restoration pathway R
State 2 to 1

Restoration of natural fire regime. Brush management.

Citations