

Ecological site group DX035X02BESG09

Coconino Plateau - Aridic Ustic - Clayey Upland

Last updated: 10/25/2022
Accessed: 05/02/2024

Key Characteristics

- Coconino Plateau (B)
- Soil at site is Clayey.
- 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 southwest in the eastern half, and east in the western half of the LRU.

Climate

Site soils are aridic ustic or within a 14-18" precipitation zone.

Soil features

Clayey Subgroup. 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

- F035XF612AZ–Cobbly Sandy Clay 13-17" p.z. (JUOS, PIED)
- R035XG706AZ–Clayey Upland 14-18" p.z.
- R035XG707AZ–Clay Loam Upland 14-18" p.z.

Correlated Map Unit Components

22353537, 22353782

Stage

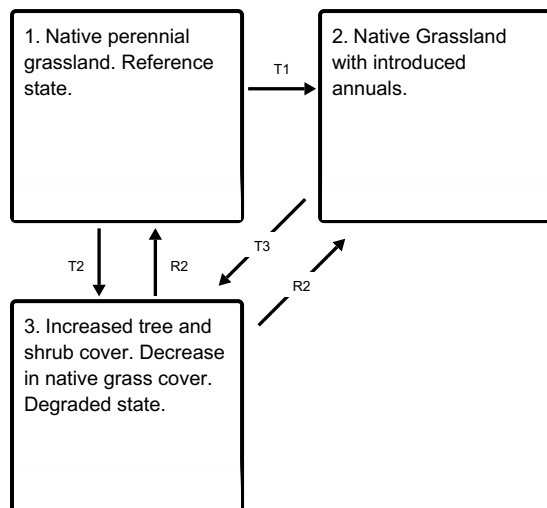
Provisional

Contributors

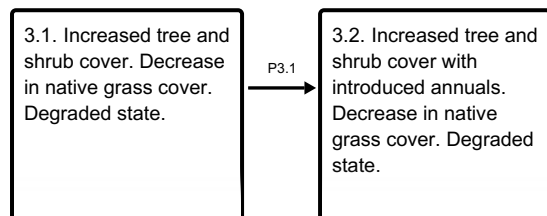
Curtis Talbot

State and transition model

Ecosystem states



State 3 submodel, plant communities



State 1

Native perennial grassland. Reference state.

State 2

Native Grassland with introduced annuals.

State 3

Increased tree and shrub cover. Decrease in native grass cover. Degraded state.

Community 3.1

Increased tree and shrub cover. Decrease in native grass cover. Degraded state.

Community 3.2

Increased tree and shrub cover with introduced annuals. Decrease in native grass cover. Degraded state.

Pathway P3.1

Community 3.1 to 3.2

Introduced annuals

Transition T1

State 1 to 2

Historic introduction of non- native species.

Transition T2

State 1 to 3

Lack of natural fire regime. Improper grazing management.

Transition T3

State 2 to 3

Lack of natural fire regime. Improper grazing Management.

Restoration pathway R2

State 3 to 1

Reintroduction of fire. Brush management.

Restoration pathway R2

State 3 to 2

Invasion of introduced species

Citations