

Ecological site group DX035X02AESG08

North Slope of the Mogollon Rim - Aridic Ustic - Sandstone or Sandy Loam Upland.

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Key Characteristics

- North Slope of the Mogollon Rim (A)
- Site parent material is sandstone or soil is a sandy loam.
- 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 toward northeast.

Climate

Site soils are aridic ustic or within a 14-18" precipitation zone. Precipitation comes predominantly from monsoonal patterns during months of July, August, and September.

Soil features

Sandstone or sandy or sandy loam. 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

- F035XG709AZ–Sandstone Upland 14-18" p.z. (JUOS, PIED)
- R035XG713AZ–Sandy Loam Upland 14-18" p.z. Limy, Gravelly, Shallow

Correlated Map Unit Components

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Stage

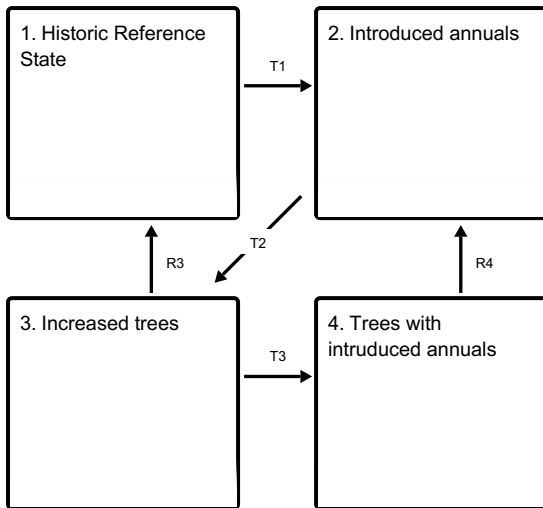
Provisional

Contributors

Curtis Talbot

State and transition model

Ecosystem states



State 1 Historic Reference State

Mixed grass-mixed shrub

State 2 Introduced annuals

Annual grass and forbs

State 3 Increased trees

Pinion and Junipers

State 4 Trees with intruded annuals

Introduced annual grasses and forbs

Transition T1 State 1 to 2

Some degradation along with invasion of introduced species.

Transition T2 State 2 to 3

Repetitive, high utilization of understory along with encroachment of trees.

Restoration pathway R3 State 3 to 1

Restoration of soil and plants through fire and mechanical treatment of trees along with grazing management that restores grass and soil health.

Transition T3 State 3 to 4

Further degradation of the understory to be high in bare ground, erosion, and annuals.

Restoration pathway R4
State 4 to 2

Fire and/or mechanical treatment of trees along with management to improve soil health and colonization of understory species.

Citations