Ecological site group DX035X02DESG20
Grand Canyon - Typic Aridic - Limestone Hills

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Key Characteristics

- Grand Canyon (D)
- Site parent material is limestone or dolomite, or soil is loamy.
- Site soils are typic aridic or within a 6-10" precipitation zone.
- Slopes exceed 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 hills with slopes >15%. Physiography is complex.

Climate

Site soils are typic aridic or within a 6-10" precipitation zone. Precipitation comes monsoonal patterns during months of July, August, and September, and is supplemented by winter storm patterns from November through March.

Soil features

Parent material is limestone and dolomite. Soils are loamy or clay loam. Site consists of limited amounts of steeply sloping sheet alluvial or eolian deposits over residuum of plateaus and structural benches.

AZ701, MU115, Torriorthents component

Vegetation dynamics

A mix of grass, shrubs, and forbs on side slopes.

Major Land Resource Area

MLRA 035X
Colorado Plateau

Subclasses

- R035XE505AZ–Limestone Hills 6-10" p.z.

Correlated Map Unit Components

22395468, 22395111, 22394997, 22394972, 22394998

Stage

Provisional

Contributors

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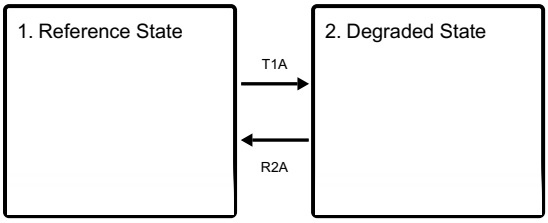
State and transition model

Ecosystem states



State 1
Reference State

Grasses, forbs, and shrubs along hill slopes.

State 2
Degraded State

The degraded state has lost valuable plant cover and root systems to hold soil in place.

Transition T1A
State 1 to 2

Loss of plants and excessive soil erosion.

Restoration pathway R2A
State 2 to 1

Slow restoration of plant, soil and water resources.

Citations