Ecological site group DX035X02DESG16
Grand Canyon - Ustic Aridic - Sandy Bottoms

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Key Characteristics

- Grand Canyon (D)
- Sandy
- Ustic Aridic
- Sandy bottoms ustic aridic

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 a bottom with slopes <2%. Physiography is simple.

Climate

Site soils are ustic aridic or within a 10-14" 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 sandstone, quartzite, or granite. Soils are sandy. Site consists of limited amounts of gently sloping stream alluvium. Landforms include washes, drainages, streams, flood plains, and terraces.

Vegetation dynamics

A dynamic of grasses, forbs, and shrubs based on soil development.

Major Land Resource Area

MLRA 035X
Colorado Plateau

Correlated Map Unit Components

22395097

Stage

Provisional

Contributors

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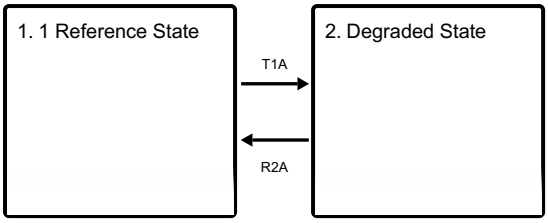
State and transition model

Ecosystem states



State 1
1 Reference State

Plants cover and density is maximized on floodplains and terraces.

State 2
Degraded State

Loss of plant cover and composition has led to greater erosion of soil resources.

Transition T1A
State 1 to 2

Repetitive, high utilization of palatable species increases unpalatable shrub species, bare ground and erosion.

Restoration pathway R2A
State 2 to 1

Management to improve soil, plant, and water resources.

Citations