

# Ecological site group DX035X02DESG01

## Grand Canyon - Typic Aridic - Limestone or Loamy Upland

Last updated: 10/25/2022  
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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.
- 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%. 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. Soils are loamy. Site consists of limited amounts of gently sloping sheet alluvial or eolian deposits over residuum of plateaus and structural benches.

### Vegetation dynamics

This plant community has a large component of warm season perennial grasses; cool season perennial grasses are somewhat less abundant, but still significant. The plant community also has a significant shrub component. Blackbrush and ephedras can be fairly common, while a variety of other shrubs may be scattered across the site.

### Major Land Resource Area

MLRA 035X  
Colorado Plateau

### Subclasses

- R035XE507AZ–Limy Slopes 6-10" p.z.

### Correlated Map Unit Components

22395230, 22395205, 22395206, 22395209, 22395080, 22395096, 22395093, 22395092, 22395126, 22395229, 22395002, 22394963, 22395238, 22395169

### Stage

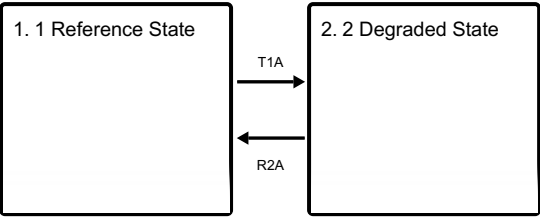
Provisional

# Contributors

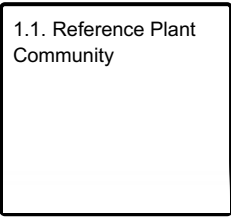
Curtis Talbot

## State and transition model

### Ecosystem states



### State 1 submodel, plant communities



## State 1 1 Reference State

### Community 1.1 Reference Plant Community

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## State 2 2 Degraded State

Soils, plants and hydrologic cycle is degraded.

### Transition T1A State 1 to 2

Heavy disturbance leading to soil erosion.

### Restoration pathway R2A State 2 to 1

Long-term restoration of ecosystem function.

## Citations