

Ecological site group DX035X02DESG24

Grand Canyon - Typic Aridic - Volcanic or Clayey Upland

Last updated: 10/26/2022

Accessed: 04/19/2024

Key Characteristics

- Grand Canyon (D)
- Site parent material is volcanic or clayey.
- site is typic aridic or precipitation is within 6 to 10 inch range
- Upland, slopes are $\leq 15\%$

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 basalt or andesite. Soils are clayey or clay loam. Site consists of limited amounts of gently sloping sheet alluvial or eolian deposits over residuum of lava flows and lava fields.

Vegetation dynamics

A mix of grass, shrubs, and forbs on clayey soils.

Major Land Resource Area

MLRA 035X

Colorado Plateau

Correlated Map Unit Components

22394990

Stage

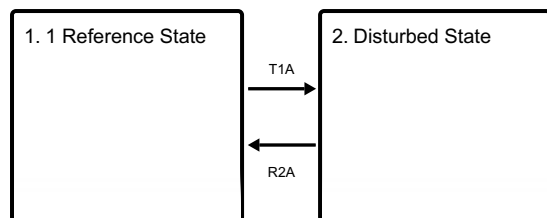
Provisional

Contributors

Curtis Talbot

State and transition model

Ecosystem states



State 1

1 Reference State

A mix of grass, shrubs, and forbs on clayey soils.

State 2

Disturbed State

Site has excessive bare ground and accelerated erosion.

Transition T1A

State 1 to 2

A loss of ecosystem health.

Restoration pathway R2A

State 2 to 1

Long restoration of ecosystem health.

Citations