

Ecological site group DX035X02CESG15

Coconino Transition - Ustic Aridic - Basalt Hills

Last updated: 10/25/2022
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Key Characteristics

- Coconino Transition (C)
- Soil at site is basalt or clayey.
- Site soils are ustic aridic or within a 10-14" precipitation zone.
- Site is and/or located on a hill 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 on a hill with slopes >15%. Aspects tend to be northeast except valleys near Truxton Wash and Aubrey Valley.

Climate

Site soils are ustic aridic or within a 10-14" precipitation zone. Precipitation comes predominantly from monsoonal patterns during months of July, August, and September. Winter precipitation is equally predominant in the northern half of the LRU.

Soil features

Parent material is basalt. Soils are clay loam or clayey. Site consists of gently dipping shallow or moderately deep residuum weathered from basalt rocks eroded into steep hills, cliff faces and canyons.

Major Land Resource Area

MLRA 035X
Colorado Plateau

Subclasses

- R035XC347AZ–Basalt Hills 10-14" p.z. Cobbly

Correlated Map Unit Components

22391232, 22394075, 22393991

Stage

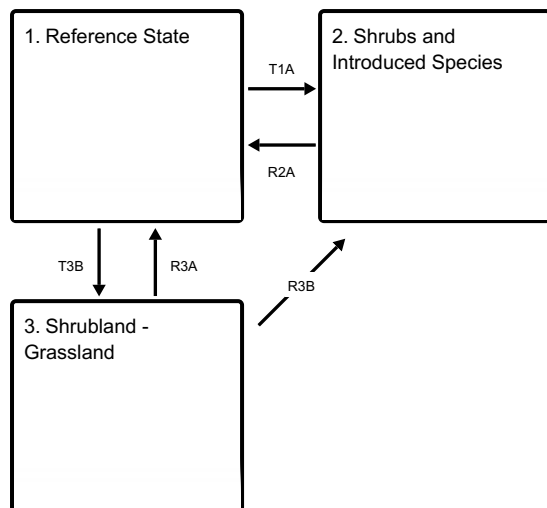
Provisional

Contributors

Curtis Talbot

State and transition model

Ecosystem states



State 1

Reference State

Cliff rose - Ephedra - yucca - juniper

State 2

Shrubs and Introduced Species

Cheat grass - snake weed - rabbitbrush

State 3

Shrubland - Grassland

Cliff rose - ephedra - yucca - galleta - needle and thread - Indian Rice grass

Transition T1A

State 1 to 2

High repetitive utilization of palatable grass and shrubs with and increase on lesser-palatable shrubs and introduced species.

Transition T3B

State 1 to 3

Shrubs dominate over time, but introduced species have not invaded.

Restoration pathway R2A

State 2 to 1

A disturbance to set the shrubs back along with improved management for grasses.

Restoration pathway R3A

State 3 to 1

A restoring of native grasses through improved management with a decrease of shrubs.

Restoration pathway R3B

State 3 to 2

Colonization of introduced species.

Citations