

Ecological site group DX035X02CESG12

Coconino Transition - Aridic Ustic - Sandstone or Sandy Upland

Last updated: 10/25/2022
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Key Characteristics

- Coconino Transition (C)
- Soil at site is sandy.
- Site soils are aridic ustic or within a 14-18" 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%. Aspects tend to be northeast except valleys near Truxton Wash and Aubrey Valley.

Climate

Site soils are aridic ustic or within a 14-18" 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 of sandstone. Soils are sandy loam. Site consists of limited amounts of gently sloping sheet alluvial or eolian deposits over residuum of plateaus and structural benches.

Major Land Resource Area

MLRA 035X
Colorado Plateau

Subclasses

- F035XF636AZ–Sandstone/Quartzite Upland 13-17" p.z. Fine (JUOS)
- R035XA115AZ–Sandstone Upland 10-14" p.z.

Correlated Map Unit Components

22391223, 22391225, 22391226

Stage

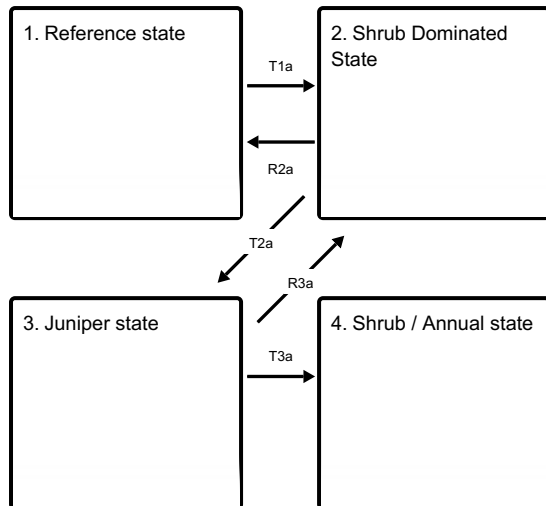
Provisional

Contributors

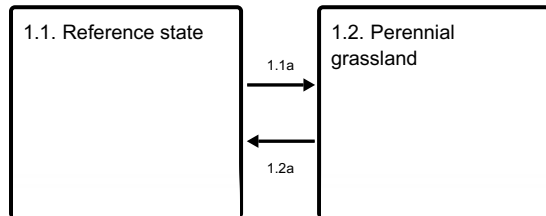
Curtis Talbot

State and transition model

Ecosystem states



State 1 submodel, plant communities



State 1

Reference state

Grassland with mixed shrubs

Community 1.1

Reference state

Grassland with mixed shrubs

Community 1.2

Perennial grassland

Perennial grasses and low shrubs

Pathway 1.1a

Community 1.1 to 1.2

A set back to the shrubs.

Pathway 1.2a

Community 1.2 to 1.1

Shrubs gain a competitive advantage over time.

State 2

Shrub Dominated State

Mixed shrubland

State 3
Juniper state

Mixed grass/shrub understory

State 4
Shrub / Annual state

Native shrubs and annuals

Transition T1a
State 1 to 2

The depletion of palatable grasses along with competitive regeneration of shrubs.

Restoration pathway R2a
State 2 to 1

A set back to shrubs along with management to improve grass cover.

Transition T2a
State 2 to 3

Over time shrubs decrease and juniper increases.

Restoration pathway R3a
State 3 to 2

A treatment or disturbance on the juniper.

Transition T3a
State 3 to 4

Treatment of juniper along with excessive grazing pressure and drought.

Citations