

Ecological site group DX035X02CESG02

Coconino Transition - Ustic Aridic - Limestone or Loamy Upland

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Key Characteristics

- Coconino Transition (C)
- Site parent material is limestone or dolomite, or soil is loamy.
- Site soils are ustic aridic or within a 10-14" 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 in 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 limestone or dolomite, or soil is loamy. 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

- DX035X011113–Loamy Upland 10-14" p.z.
- F035XA121AZ–Shallow Loam 10-14" p.z. Cobbly (JUOS)
- F035XA122AZ–Limy Upland 10-14" p.z. Gravelly (JUOS)
- F035XA127AZ–Shallow Limy Upland 10-14" p.z. (JUOS)
- R035XA111AZ–Limy Upland 10-14" p.z.
- R035XA119AZ–Shallow Loamy 10-14" p.z.
- R035XA125AZ–Limy Upland 10-14" p.z. Shallow
- R035XC350AZ–Limestone Upland 10-14" p.z. Warm

Correlated Map Unit Components

22353709, 22353712, 22353798, 22353802, 22353803, 22391260, 22391261, 22391256, 22391254, 22391259, 22391258, 22391241, 22391253, 22391251, 22394045, 22394050, 22394051, 22394024, 22394025, 22394112, 22394133, 22394135, 22394001, 22394002, 22394081, 22394083, 22394111, 22394016, 22394003, 22394005, 22394010, 22394062, 22394064, 23196070, 23170341, 22353490, 22353493, 22353580, 22353578, 22353579,

22353584, 22353586, 22353722, 22353725, 22353728, 22353729, 22353730, 22353732, 22353702, 22353706, 22353734, 22353735, 22353739, 22353741, 22353742, 22353744, 22353745, 22353710

Stage

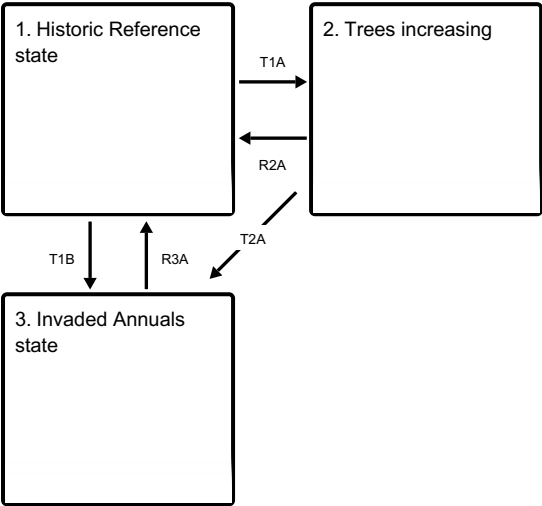
Provisional

Contributors

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State and transition model

Ecosystem states



State 1
Historic Reference state

Perennial Native grass land/shrub land with juniper

State 2
Trees increasing

Juniper with grass understory

State 3
Invaded Annuals state

Shrubs and mixed annuals

Transition T1A
State 1 to 2

Ecosystem disturbances are decreasing grasses and shrubs while juniper have gained a competitive advantage.

Transition T1B
State 1 to 3

Degradation of resources have led to introduced species invasion.

Restoration pathway R2A
State 2 to 1

Fire and/or mechanical treatment on juniper plus long term management to improve grasses and shrubs.

Transition T2A

State 2 to 3

Degradation of resources have led to introduced species invasion.

Restoration pathway R3A

State 3 to 1

Fire/mechanical treatment on juniper, and very long term management to improve soil and plant health plus possible treatment of introduced species.

Citations