

Ecological site group DX035X02FESG09

Kaibab Plateau - Typic Udic - Limestone or Loamy Upland

Last updated: 10/31/2022
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Key Characteristics

- Kaibab Plateau (F)
- Site parent material is limestone or loamy.
- Soils are ustic udic, or precipitation is within the range of 25 to 33 inches.
- 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 toward perimeter of the LRU subset.

Climate

Site soils are typic udic or within a 25-33" precipitation zone. Soil temperatures are frigid. Precipitation comes predominantly from 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

Grasses-Forbs with perennial and annual forbs

Major Land Resource Area

MLRA 035X
Colorado Plateau

Subclasses

- F035XI902AZ–Loamy Hills 25-33" p.z. (ABCO, PIPO, POTR5)
- F035XI903AZ–Loamy Hills 25-33" p.z. Cold (ABLA, PIEN)
- R035XI901AZ–Sedimentary Cliffs 25-33" p.z.
- R035XI904AZ–Loamy Bottom 25-33" p.z. Subirrigated
- R035XI905AZ–Loamy Upland 25-33" p.z.

Correlated Map Unit Components

22395196, 22395249, 22395259, 22395260, 22395244, 22395251, 22395253, 22395252, 22395264, 22395265, 22395266, 22395203, 22395202, 22395222, 22395438, 22395439, 22395123, 22395263, 22395261, 22395262

Stage

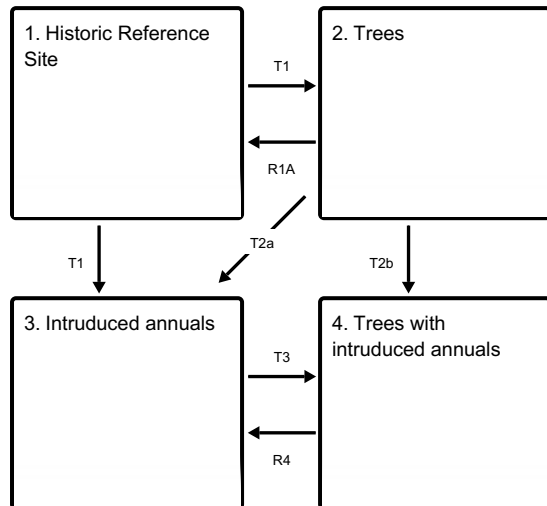
Provisional

Contributors

Curtis Talbot

State and transition model

Ecosystem states



State 1

Historic Reference Site

Grasses-Forbs with perennial and annual forbs

State 2

Trees

Mixed conifer and aspen

State 3

Intruduced annuals

Introduction of non-native annuals

State 4

Trees with intruduced annuals

Conifers- aspens- annuals

Transition T1

State 1 to 2

Colonization of aspen and spread of mixed conifer.

Transition T1

State 1 to 3

Invasion of introduced annual brought by site site degradation.

Restoration pathway R1A

State 2 to 1

Drought, disease, fire reduce tree cover.

Transition T2a

State 2 to 3

Drought, disease, site degradation and invasion of introduced annuals.

Transition T2b

State 2 to 4

Invasion of introduced annuals

Transition T3

State 3 to 4

Spread of trees over time.

Restoration pathway R4

State 4 to 3

Drought, disease, or fire that sets trees back.

Citations