

Ecological site group DX035X02GESG05

Marble Canyon - Typic Aridic - Gypsum Hills

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Key Characteristics

- Marble Canyon (G)
- site is gypsic
- site soils are typic aridic or within 6 to 10 inch precipitation range
- site slopes are hills, slopes are $\geq 15\%$

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 toward Marble Canyon, and more generally, the northeast.

Climate

Site soils are typic aridic or within a 6-10" precipitation zone. No clear pattern exists in the seasonal timing of precipitation, generally driest in late spring.

Soil features

Parent material is gypsiferous sedimentary. Soils are loamy. Site consists of gently dipping shallow residuum weathered from sedimentary rocks eroded into steep cliff faces and canyons.

Vegetation dynamics

Mixed shrublands

Major Land Resource Area

MLRA 035X
Colorado Plateau

Subclasses

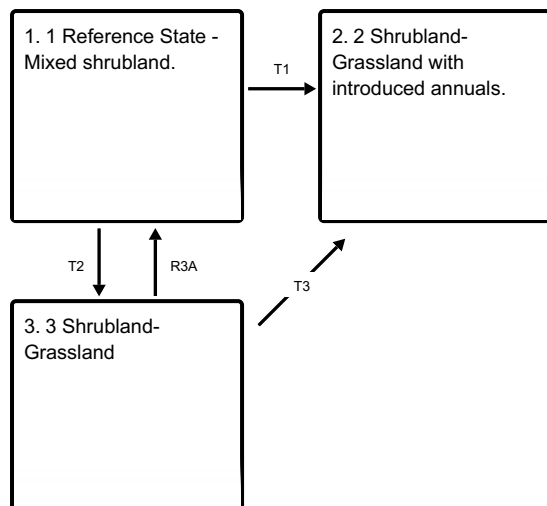
- R035XD404AZ–Gypsum Hills 7-11" p.z.

Stage

Provisional

State and transition model

Ecosystem states



State 1

1 Reference State - Mixed shrubland.

State 2

2 Shrubland-Grassland with introduced annuals.

State 3

3 Shrubland-Grassland

Transition T1

State 1 to 2

Invasion of introduced annuals. Once this occurs it is unlikely the site can return to reference.

Transition T2

State 1 to 3

Long-term degradation and loss of perennial grass species.

Restoration pathway R3A

State 3 to 1

Long-term restoration of soil, plant, and water resources coupled with a disturbance to shrubs.

Restoration pathway T3

State 3 to 2

A disturbance and set-back of shrubs along with management to improve perennial grass species along with invasion of introduced species.

Citations