

# 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

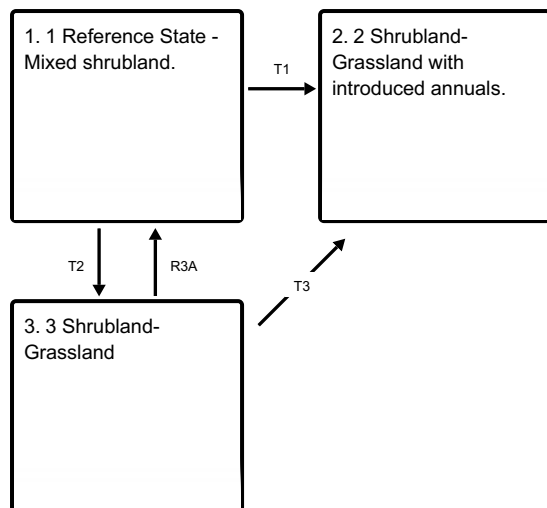
- R035XD404AZ–Gypsum Hills 7-11" p.z.

### 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