

# Ecological site group ESG7

## Gypsic

Last updated: 08/17/2022  
Accessed: 05/10/2025

---

### Key Characteristics

- Not flooded (hills, convex portions of piedmont slopes, broad basin floors)
- Exposed bedrock absent and few if any cobbles and stones
- Soil surface textures are fine sandy loam to clay loam, subsoil non gravelly, gypsum may or may not be present
- Subsoil not moderately to strongly saline
- Subsoil has a gypsic horizon and/or gypsiferous materials evident at the soil surface

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.

### Climate

Basin floors, relict lakebeds, playas, gypsiferous dunes, and fan piedmonts. Elements typically highly interminged in landscapes dominated by gypsiferous materials. Includes gypsic and hypergypsic soils.

### Vegetation dynamics

Basin floors, relict lakebeds, playas, gypsiferous dunes, and fan piedmonts. Elements typically highly interminged in landscapes dominated by gypsiferous materials. Includes gypsic and hypergypsic soils.

### Major Land Resource Area

MLRA 042B  
Southern Rio Grande Rift

### Correlated Map Unit Components

21843045, 21844652, 21838089, 21838141, 21838244, 21838070, 21838071, 21838226, 21838227, 21838063, 21838331, 21838329, 21838353, 21838333, 21838334, 21838319, 21838320, 21838313, 21838290, 21838292, 21838291, 21838266, 21838193, 21838275, 21838274, 21838336, 21838134, 21838323, 21838324, 21838554, 21838602, 21838603, 21838500, 21838498, 21838502, 21838503, 21838495, 21838496, 21838492, 21838628, 21838630, 21838629, 21838568, 21838580, 21838579, 21838543, 21838582, 21838583, 21838508, 21838520, 21838519

### Stage

Provisional

### Contributors

Curtis Talbot

### State and transition model

## Ecosystem states

1. Reference

2. Altered

3. Exotic-invaded

4. Exotic-dominated

5. Bare

## State 1 Reference



Reference plant community depends upon gypsum content, salinity, depth to water table. Bare areas of gypsum bedrock and gypsum materials may occur as inclusions within the reference state as long as they are not

accompanied by signs of erosion.

## **State 2**

### **Altered**



## **State 3**

### **Exotic-invaded**

## **State 4**

### **Exotic-dominated**

## **State 5**

### **Bare**

## **Citations**