

# Major Land Resource Area 077D

## Southern High Plains, Southwestern Part

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### Ecological site keys

#### MLRA 77D ES Key

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I. Site that receives significant additional moisture from runoff of adjacent slopes or intermittent/perennial streams or a water table

- A. Soils are calcareous ... R077DY039TX – Draw 12-17" PZ
- B. Soils are NOT calcareous ... R077DY041TX – Lakebed 12-17" PZ

II. Site does NOT receive additional moisture from runoff

A. Soils are very shallow to shallow (8-20" (20-50cm) to root restricting layer

- 1 Soils gravelly and calcareous, slightly higher position on the landscape than Very Shallow site. Mollic colored soil control section ... R077DY048TX – Shallow 12-17" PZ
- 2 Soils gravelly and calcareous, slightly lower landscape position than Shallow site, Ochric soil control section ... R077DY049TX – Very Shallow 12-17" PZ
- 3 Soil are gypsic ... R077DY591TX – Gyp 12-17" PZ

B. Soil depth moderately deep to very deep (>20" (50cm)) without root restricting layer that inhibits the productivity potential

1 Soils affected by chemistry

- i. Soils moderately deep with a cemented petrocalcic below ... R077DY038TX – Clay Loam 12-17" PZ
- ii. Sandy loam soil texture ... R077DY040TX – High Lime 12-17" PZ
- iii. Loam and Fine sandy loam soil texture ... R077DY042TX – Limy Upland 12-17" PZ

2 Soils NOT affected by chemistry

- i. Soil surface texture is loamy fine sand to fine sand up to 15% slopes ... R077DY045TX – Sand Hills 12-17" PZ
- ii. Soil surface texture is loamy fine sand with <5% slope ... R077DY046TX – Sandy 12-17" PZ
- iii. Soil surface texture is fine sandy loamy ... R077DY047TX – Sandy Loam 12-17" PZ