

Major Land Resource Area 077C Southern High Plains, Southern Part

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Ecological site keys

MLRA 77C ES Key

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

A. Site moderately to strongly saline (>8mmhos/cm) within 20" (50cm) and dominated by salt tolerant species ... R077CY689TX

– Wet Saline 16-21" PZ

B. Soils without strong saline soil

1 loamy soil texture (18-35% clay), along stream flood plains ... R077CY023TX – Draw 16-21" PZ

2 clayey soil texture (>35% clay), in closed basin depressions ... R077CY027TX – Playa 16-21" PZ

II. Site does NOT receive additional moisture from runoff

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

1 Soils are very shallow (<10" (25cm) to root restricting layer ... R077CY037TX – Very Shallow 16-21" PZ

2 Soil depth shallow (10-20" (25-50cm)) with a sandy soil texture ... R077CY056NM – Sandy Plains

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 highly calcareous (>15% CCE) violent effervescence. Soils are skeletal (>35% by volume) in the subsoil, below 20" (50cm)

... R077CY028TX – Limy Upland 16-21" PZ

ii. Soils highly calcareous (>15% CCE) violent effervescence. Soils are NOT skeletal (>35% by volume) in the subsoil, below

20" (50cm) ... R077CY026TX – High Lime 16-21" PZ

2 Soils NOT affected by chemistry

i. Loamy Fine Sand and fine Sand Surface, slopes 5 percent or less, uplands and shallow swales ... R077CY035TX –
Sandy 16-21" PZ

ii. Loam and clay loam Surface, slopes 0 to 5 percent or less, moderately alkaline, Deep to Very Deep, nearly level to moderately
sloping upland plateau. ... R077CY022TX – Deep Hardland 16-21" PZ

iii. Fine Sand and Loamy Fine Sand Surface, slopes 0 to 5 percent or less, Duned ridges, little structure ...

R077CY034TX – Sand Hills 16-21" PZ

iv. Fine Sand and Loamy Fine Sand Surface, slopes 2 percent or less, nearly level to gently undulating plains ...

R077CY052NM – Loamy Sand

v. Fine Sandy Loam surface, slopes 5 percent or less, uplands and in shallow playas or depressions and swales ...

R077CY036TX – Sandy Loam 16-21" PZ