

Major Land Resource Area 083E

Sandsheet Prairie

Accessed: 12/19/2025

Ecological site keys

MLRA 83E

I. Depth to densic material less than 40 inches

A. Soils with gravels in epipedon

- 1 Greater than 15 percent of soil surface covered by large pebbles
- 2 Less than 15 percent of soil surface covered by large pebbles
 - i. Strongly cemented calcium carbonate less than 20 inches
 - ii. All others

B. Soils without gravels in epipedon

- 1 Soils with sandy loam or loam surface texture
- 2 All others

II. Soils are deep to very deep, greater than 40 inches

A. Soils on depressions, drainageways, or flood plains

- 1 Soils in a closed depression
 - i. Permanent water table at/or near surface and ponded for most of year
 - ii. Soils with fluctuating water table levels and ponded after heavy rains ...
R083EY007TX – Lakebed

2 Soils in flood plain or drainageway

- i. Visible salts less than 40 inches ... R083EY008TX – Salty Prairie
- ii. All others
 - a. Soils with fine surface textures (clay and silty clay)
 - b. All others
 - 1) Soils with deep sands and effervescent throughout profile
 - 2) All others
 - a) Soils with a developed argillic horizon
 - b) All others
 - i) Upland drainageway without defined, prominent channel

- ii) Low flood plain with loamy-textured soils and prominent channel

B. Soils on other landforms

1 Visible salts less than 24 inches

- i. Soils with sandy or sandy loam surface textures
- ii. All others
 - a. Soils classified as vertisols with high shrink-swell potential
 - b. Soils belonging to other taxonomic orders with low to moderate shrink-swell potential

2 All others

- i. Soils classified as vertisols with high shrink-swell potential
 - a. Dark-colored surface with value/chroma of 3/1 or darker and non-sodic
 - b. Lighter-colored surface and sodic
- ii. All others
 - a. Soil profile is effervescent to the surface ... R083EY014TX – Sandy Flat
 - b. All others
 - 1) Soils with fine sandy loam, sandy loam, or loamy sand surface textures
 - a) Soils with sandy textures greater than 80 inches deep ... R083EY020TX – Sand Hills
 - b) All others
 - i) Depth to argillic greater than 14 inches
 - 1) Textural change of argillic greater than 30 inches ... R083EY021TX – Sandy
 - 2) Textural change of argillic less than 30 inches ... R083EY022TX – Loamy Sand
 - ii) Depth to argillic less than 14 inches
 - 1) Subsoils slightly deeper, slightly lower in clay content, and more permeable ... R083EY023TX – Sandy Loam
 - 2) Subsoils slightly more shallow, more droughty, higher in clay content, and perch water more readily ... R083EY024TX – Tight Sandy Loam
 - 2) Soils with clay loam, sandy clay loam, or silty clay loam surface textures
 - a) Soils in MLRAs 83B, 83C, or 83D
 - b) Soils in MLRA 83A
 - i) Soils from center of Atascosa County east

ii) Soils from center of Atascosa County west