

Major Land Resource Area 150A

Gulf Coast Prairies

Accessed: 05/23/2026

Ecological site keys

MLRA 150A

I. Soils on floodplains or bottomlands

A. Bottomlands with coarse-textured soils ... R150AY541TX – Sandy Bottomland

B. Bottomlands with fine or loamy-textured soils

1. Loamy-textured soils ... R150AY534TX – Loamy Bottomland

2. Fine-textured soils ... R150AY527TX – Clayey Bottomland

II. Soils on uplands or terraces

A. Terraces and terrace ridges with greater than 58 inches of average annual rainfall (east of Sabine River)

1. Terraces with fine-textured soils ... R150AY013LA – Clayey Terrace Prairie

2. Terraces or ridges with loamy-textured soils

i. Soils on terraces ... R150AY012LA – Loamy Terrace Prairie

ii. Soils on terrace ridges ... R150AY014LA – Loamy Terrace Ridge

B. Uplands and terraces with less than 58 inches of average annual rainfall (west of Sabine River)

1. Soils with a natric horizon ... R150AY540TX – Salty Prairie

2. Soils without a natric horizon

i. Upland depressions or low flats receiving excess water

a. Vertic, closed depressions that are occasionally ponded ... R150AY641TX – Lakebed

b. Alfisols that occupy low flats with flooding and ponding ... R150AY537TX – Lowland

ii. All others

a. Finer-textured surface soils (sandy clay loam, clay loam, and clay)

1) Mollisols with clay loam subsoils ... R150AY639TX – Clay Loam

2) Vertisols or soils with vertic properities

a) Soils with greater than 44 inches of rainfall (north of Jackson County) ... R150AY740TX –
Northern Blackland

b) Soils with less than 44 inches of average annual rainfall (south of Jackson County) ... R150AY526TX –
Southern Blackland

b. Coarser-textured surface soils (sandy, loamy fine sand, fine sandy loam, and loam)

1) Soils with a well developed argillic horizon and clay subsoils ... R150AY528TX – Claypan Prairie

2) All others

a) Soils with coarse textures deeper than 40 inches before an increase in clay percent ... R150AY532TX – Deep Sand

b) All others

i) Soils with coarse textures deeper than 20 inches, but less than 40 inches before an increase in clay percent ... R150AY543TX – Sandy Prairie

ii) All others

1) Alfisols with loamy fine sand or fine sandy loam surfaces ... R150AY542TX – Sandy Loam

2) Fine sandy loam or loamy-surfaced soils over loamy subsoils

a) Greater than 44 inches of rainfall (north of Jackson County) ... R150AY741TX – Northern Loamy Prairie

b) Less than 44 inches of average annual rainfall (south of Jackson County) ... R150AY535TX – Southern Loamy Prairie