

# Major Land Resource Area 113X

## Central Claypan Areas

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### Ecological site keys

#### MLRA 113 Ecological Site Key

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A. This area is in the Dissected Till Plains section. The western part has a mantle of Peoria Loess or Pre-Wisconsinan-age loess overlying Nebraskan-age and Kansan-age till.

I. Uplands

- i. Have thin, light-colored surface horizons ... F113XY003MO – Claypan Summit Woodland
- ii. Have dark organic-rich surface horizons
  - a. Claypan (has abrupt textural change or subsoil that is similar to an abrupt textural change) at approximately 10-14 inches in depth ... R113XY001MO – Claypan Summit Prairie
  - b. Not as above ... R113XY002MO – Loess Upland Prairie

II. Terraces ... R113XY004MO – Wet Terrace Prairie

III Drainageways ... F113XY005MO – Wet Upland Drainageway Woodland

B. This area is in the Till Plains section of the Central Lowland province of the Interior Plains. The eastern part of this MLRA is covered by Peoria Loess, which is underlain by Illinoian-age till.

I. Uplands

- i. Nearly level plains (<5% slopes; some mapunit slope ranges may exceed 5%)
  - a. Natric horizon (sodium) ... R113XY902IL – Natric Till Plain Savanna
  - b. Fragipan ... F113XY907IL – Fragic Till Plain Woodland
  - c. Dark colored (Mollisol or Mollic intergrade)
    - i. Very poorly drained, poorly drained or somewhat poorly drained soil ... R113XY903IL – Wet Upland Prairie
    - ii. Moderately well drained or well drained soil ... R113XY904IL – Upland Prairie
  - d. Light colored soil (Alfisol or Alfic intergrade)
    - i. Poorly drained or somewhat poorly drained soil ... F113XY905IL – Wet Upland Woodland
    - ii. Moderately well drained and well drained soil ... F113XY906IL – Upland Woodland

II. Dissected till plains (>5% slopes)

- i. Fragic properties ... F113XY910IL – Fragic Backslope Woodland
- ii. Bedrock/residuum < 40" ... F113XY908IL – Moderately Deep Bedrock Backslope
- iii. Loess over till/paleosol/pedisediment (bedrock>40")
  - a. Silty/loamy till ... F113XY911IL – Loamy Till Backslope Forest
  - b. Clayey till
    - i Somewhat poorly drained ... F113XY912IL – Wet Clayey Till Backslope Woodland
    - ii Well drained ... F113XY913IL – Clayey Till Backslope Woodland

III. Terraces, Lake plains, Outwash plains

- i. Clayey lacustrine sediments
  - a. Poorly drained soil ... R113XY914IL – Wet Lacustrine Terrace Prairie
  - b. Moderately well drained soil ... F113XY915IL – Lacustrine Terrace Forest

ii. Sandy deposits ... F113XY916IL – Sandy Outwash Woodland

#### IV. Floodplains

i. Silty alluvium (fine silty and coarse-silty particle size family classes)

a. Very poorly drained, poorly drained and somewhat poorly drained soils ... F113XY919IL – Wet Silty Floodplain Forest

b. Moderately well drained and well drained ... F113XY920IL – Silty Floodplain Forest

ii. Loamy alluvium (includes fine-loamy and coarse-loamy particle size family classes)

a. Poorly drained and somewhat poorly drained soil ... F113XY921IL – Wet Loamy Floodplain Forest

b. Moderately well drained and well drained soil ... F113XY922IL – Loamy Floodplain Forest

iii. Sandy alluvium ... F113XY923IL – Sandy Floodplain Forest

iv. Clayey alluvium ... F113XY924IL – Clayey Floodplain Forest