

# Major Land Resource Area 078C

## Central Rolling Red Plains, Eastern Part

Accessed: 05/06/2024

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### Ecological site keys

#### MLRA 78C

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##### I. Upland

###### A. Clay sites

1. Sodium & surface crusting ... R078CY091OK – Slickspot
2. No crusting
  - i. Depth to bedrock <20 inches
    - a. Correlated to the Knoco soil series
      - 1) Slope >20% ... R078CY006OK – Clayey Breaks
      - 2) Slope <20% ... R078CY114TX – Shallow Red Clay 23-31" PZ
    - b. Not correlated to the Knoco soil series ... R078CY067OK – Red Shale
  - ii. Depth to bedrock >20 inches
    - a. Depth to bedrock <40 inches
      - 1) North of MAAT 60 ... R078CY065OK – Red Clay (North)
      - 2) South of MAAT 60 ... R078CY112TX – Red Clay (South) 23-30" PZ
    - b. Depth to bedrock >40 inches
      - 1) Pondered ... R078CY102TX – Lakebed 23-30" PZ
      - 2) Not pondered
        - a) Smectitic minerology ... R078CY095TX – Clay Flat 23-30" PZ
        - b) Other minerology ... R078CY096TX – Clay Loam 23-30" PZ

###### B. Sand sites

1. Pondered or redox within 30 inches of surface ... R078CY025OK – Depressional Upland
2. No ponding or redox within 30 inches of surface
  - i. Fine sand surface texture
    - a. Argillic horizon ... R078CY017OK – Deep Sand Shrubland
    - b. No argillic horizon ... R078CY107TX – Sand Hills 23-31" PZ
  - ii. Loamy fine sand surface texture
    - a. Argillic horizon
      - 1) E horizon ... R078CY098TX – Deep Sand 23-30" PZ
      - 2) No E horizon ... R078CY105TX – Loamy Sand 23-31" PZ
    - b. No argillic horizon ... R078CY014OK – Rolling Sands

###### C. Loam sites

1. Slope <20%
  - i. Gypsum surface ... R078CY038OK – Gyp
  - ii. No gypsum surface
    - a. Depth to bedrock <20 inches ... R078CY083OK – Shallow Upland
    - b. Depth to bedrock >20 inches

1) FSL surface ... R078CY110TX – Sandy Loam 23-31" PZ

2) Other surface texture ... R078CY056OK – Loamy Upland

2. Slope >20% ... R078CY005OK – Loamy Breaks

## II. Bottomland

### A. Clay sites

1. Salinity present ... R078CY046OK – Saline Bottomland

2. Salinity absent ... R078CY094TX – Clayey Bottomland 23-30" PZ

### B. Sand sites

1. Free water w/in 60 inches of surface

i. Redox features w/in 12 inches of surface ... R078CY090OK – Ponded Bottomland

ii. Redox features found only below 12 inches of surface ... R078CY095OK – Subirrigated Bottomland

2. No free water w/in 60 inches of surface ... R078CY068OK – Sandy Bottomland

### C. Loam sites

1. Head of drainageways, rarely flooded ... R078CY099TX – Draw 23-30" PZ

2. Commonly flooded bottomlands ... R078CY103TX – Loamy Bottomland 23-31" PZ