

# Major Land Resource Area 055B Central Black Glaciated Plains

Accessed: 06/17/2026

## Ecological site keys

### MLRA 55B

---

**A Sites have indicators of saturation within a depth of 42 inches during the growing season. (mucky surface, observed water table, redoximorphic depletions, redoximorphic concentrations)**

**I Site is located on a floodplain and indications of saturation within 2 feet of the soil surface and the site is dominated by hydrophytes ...**

R055BY077ND – Linear Meadow

**II Site on lowland with EC>8 and/or visible salts and/or salt tolerant vegetation present.**

**a Soil has strong effervescence within 16 inches of the soil surface ...** R055BY060ND – Saline Lowland

**b Soil does not have strong effervescence within 16 inches of the soil surface ...** R055BY076ND – Saline Subirrigated

**III Site has strong effervescence within 16 inches of soil surface ...** R055BY058ND – Limy Subirrigated

**IV Site is typically located in depressions, early growing season ponding, and is poorly drained ...** R055BY071ND – Wet Meadow

**V Soil has redoximorphic features visible 24-42 inches from the soil surface and is somewhat poorly drained ...** R055BY065ND – Subirrigated

**VI Site is located on deep depressions, is usually ponded into mid-summer, has high organic matter content and is very poorly drained ...** R055BY070ND – Shallow Marsh

**VII Soil surface texture is fine sandy loam to loamy sand ...** R055BY074ND – Subirrigated Sands

**B Site is located on uplands and has root-restrictive layer within 20 inches from soil surface**

**I Soil with >15% coarse sand or gravel at depths <14 inches ...** R055BY069ND – Very Shallow

**II Soil depth is 9-20 inches to bedrock**

**a Soil depth is 10-20” to soft, weathered shale beds ...** R055BY073ND – Shallow Loamy

**b Soil substratum contains up to 10-60% gravel and/or 25-75% sand ...** R055BY063ND – Shallow Gravel

**C Site is located on uplands and has a sand content of >45% in the soil surface**

**I Site is located on dunes with >15% slope ...** R055BY067ND – Choppy Sands

**II Site has a sodic, dense claypan layer within 6-18” of surface and fine sandy loam or silt loam soil surface texture ...** R055BY072ND – Sandy Claypan

**III Fine sandy loam and sandy loam soil surface textures ...** R055BY062ND – Sandy

**IV Loamy fine sand to fine sand soil surface textures ... R055BY061ND – Sands**

**D Site has a clay content >35% in the soil surface**

**I Silty clay to clay soil surface texture and no root restrictive layer ... R055BY056ND – Clayey**

**II Soil has a dense, root-restrictive, claypan layer <6” from the surface ... R055BY066ND – Thin Claypan**

**III Soil has dense, root-restrictive, claypan layer at 6-14” from the surface and a clay loam to clay soil surface texture ...  
R055BY057ND – Claypan**

**E All other sites**

**I Site is in a floodplain or swale and fine sand loam or loam soil surface texture ... R055BY059ND – Loamy Overflow**

**II Site located on shoulder slopes, convex rises, and summits. Strong to violent effervescence immediately below the surface layer ...  
R055BY068ND – Thin Loamy**

**III All other sites ... R055BY064ND – Loamy**