Major Land Resource Area 053A
Northern Dark Brown Glaciated Plains

Accessed: 10/12/2024

Ecological site keys

MLRA 53X Legacy Site Description Key

I. Site receives additional effective moisture

A. Soil saline (EC> 4 within surface 4”) and water table > 40”

1 Seasonal high water table≥ 40” from ground surface; salt tolerant plants dominate site; site regularly receives more than normal soil moisture because of run-in or stream overflow ... R053AE072MT – Saline Overflow (Sov) (Legacy) RRU 53AE

B. Site not as above

2 Seasonal high water table < 40” from ground surface ... R053AE070MT – Subirrigated (Sb) (Legacy) RRU 53AE

1 Seasonal high water table ≥ 40” from ground surface; site regularly receives more than normal soil moisture because of run-in or stream overflow ... R053AE067MT – Overflow (Ov) (Legacy) RRU 53AE

II. Site does not receive additional effective moisture

A. Soil saline or saline-sodic within surface 20” or soils with natric or relic natric horizons

1 No columnar structure; site dominated by salt tolerant plants ... R053AE071MT – Saline Upland (SU) (Legacy) RRU 53AE

2 Columnar structure present, abrupt root or water restrictive clay layer present within 8” of soil surface ... R053AE074MT – Claypan (Cp) (Legacy) RRU 53AE

B. Site not as above

2 Soils moderately deep, deep, or very deep (≥ 20” deep to bedrock, lithic, or paralithic root restrictive layer)

i. Slope < 15%

a. Coarse sandy loam to fine sandy loam texture within surface mineral 4” ... R053AE062MT – Sandy (Sy) (Legacy) RRU 53AE

b. Site not as above

1) Clay content is > 32% in surface mineral 4” of mineral soil (ribbon > 2” long)

a) Soil 32% to 45% clay within surface mineral 4” ... R053AE061MT – Clayey (Cy) (Legacy) RRU 53AE

b) Soil > 45% clay within surface mineral 2” ... R053AE073MT – Dense Clay (DC) (Legacy) RRU 53AE

2) Clay content is < 32% in surface mineral 4” ... R053AE060MT – Loamy (Lo) (Legacy) RRU 53AE

ii. Slope ≥15%

a. Clay content is > 32% (ribbon > 2” long) in surface mineral 4” ... R053AE065MT – Clayey Steep (Cystp) (Legacy) RRU 53AE

b. Clay content is < 32% (ribbon < 2” long) in surface mineral 4” ... R053AE058MT – Loamy Steep (Lostp) (Legacy) RRU 53AE

1 Soils shallow to very shallow (< 20” deep to bedrock, lithic, or paralithic root restrictive layer) ... R053AE078MT – Shallow Clay (Swc) (Legacy) RRU 53AE