

Major Land Resource Area 090A

Wisconsin and Minnesota Thin Loess and Till

Accessed: 05/10/2025

Ecological site keys

MLRA 90A Key

A. LOWLANDS (floodplains, depressions and flats, and organic soils)

I. Organic soil and has a Histic epipedon or is a Histosol (≥ 8 inches (≥ 20 cm)) of organic soil materials)

- a. Soil pH is below 4.5 ... F090AY001WI – Poor Fen
- b. Soil pH is above 4.5 ... F090AY002WI – Mucky Swamp

II. Mineral soil (Histic epipedon or Histosol absent)

- a. Site is in a floodplain
 - i. Sandy textured soils ... F090AY003WI – Sandy Floodplain
 - ii. Loamy textured soils ... F090AY004WI – Loamy Floodplain
- b. Site is not in a floodplain and is poorly or very poorly drained
 - i. Sandy textured soils ... F090AY005WI – Wet Sandy Lowland
 - ii. Loamy textured soils ... F090AY006WI – Wet Loamy Lowland
 - iii. Clayey textured soils ... F090AY007WI – Wet Clayey Lowlands

B. UPLANDS

I. Site has a bedrock contact within 80 inches (200 cm)

- a. Soils is dominated by sandy textures
 - i. Soil is somewhat poorly drained ... F090AY008WI – Moist Sandy Bedrock Upland
 - ii. Soil is somewhat excessively or excessively drained ... F090AY018WI – Dry Sandy Bedrock Uplands
- b. b.Soil is dominated by loamy textures
 - i. i.Soil is moderately well or well drained ... F090AY014WI – Loamy Bedrock Upland
 - ii. ii.Soil is somewhat excessively or excessively drained ... F090AY020WI – Dry Loamy Bedrock Upland

II. Site has no bedrock contact within 80 inches (200 cm)and is somewhat poorly drained

- a. Sandy textured soil ... F090AY009WI – Moist Sandy Upland
- b. Loamy textured soil
 - i. Soil contains carbonates ... F090AY010WI – Moist Loamy Lowland with Carbonates
 - ii. Soil does not contain carbonates ... F090AY011WI – Moist Loamy Lowland
- c. Fine textured soil ... F090AY012WI – Moist Clayey Lowland

III. Site has no bedrock contact within 80 inches (200 cm) and is moderately well or well drained

- a. Sandy textured soil ... F090AY013WI – Sandy Upland
- b. Loamy textured soil
 - i. Soil contains carbonates ... F090AY015WI – Loamy Upland with Carbonates
 - ii. Soil does not contain carbonates ... F090AY016WI – Loamy Upland
- c. Fine textured soil ... F090AY017WI – Clayey Upland

IV. Site has no bedrock contact within 80 inches (200 cm) and is somewhat excessively or excessively drained

- a. Sandy textured soil ... F090AY019WI – Dry Sandy Upland
- b. Loamy textured soil ... F090AY021WI – Dry Loamy Upland

