

Major Land Resource Area 093A

Superior and Rainy Stony and Rocky Till Plains and Moraines

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Ecological site keys

93A

I. Soils formed in organic parent material

- A. Typically occurs at the margin of stream and river channels; ponding frequency none ... F093AY001MN – Flooded Peatland
- B. Does not typically occur at the margin of stream and river channels; ponding can occur
 - 1 5.0-7.3 pH at 20 or more inches ... F093AY004MN – Peatland
 - 2 Acidic 3.0-5.0 pH at 20 or more inches ... F093AY003MN – Acid Peatland

II. Soils formed in mineral parent material

A. Forest-Influenced Lowland Landscape Systems

- 1 Site in a floodplain- stream terraces, floodplain steps, alluvial flats, bar, and channel topography; flooding occurs rarely to frequent for brief to long duration ... F093AY005MN – Wet Floodplain
- 2 Site not in a floodplain; flooding frequency none ... F093AY006MN – Depressional Wet Hardwood Forest

B. Forest-Influenced Upland Landscape Systems

- 1 Site is shallow to bedrock with a 40 inch or shallower soil depth ... F093AY009MN – Bedrock Controlled Upland Forest
- 2 Soil depth greater than 40 inches
 - i. Family particle size is sandy (less than 15% clay)
 - a. Redoximorphic features occur within 20 inches; site occurs on lower position uplands and is somewhat poorly drained ... F093AY010MN – Moist Sandy Forest
 - b. No redoximorphic features occur within 20 inches; moderately well to excessively drained
 - 1) Site available water capacity less than 4.5 inches ... F093AY011MN – Dry Sandy Upland Forest
 - 2) Site available water capacity greater than 4.5 inches ... F093AY012MN – Sandy Upland Forest
 - ii. Family particle size is loamy (35-15% clay) ... F093AY013MN – Loamy Upland
 - iii. Family particle size is clayey (greater than 35% clay) ... F093AY014MN – Clayey Upland