

Major Land Resource Area 111X

Indiana and Ohio Till Plain

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Ecological site keys

111B Outline

I. Organic PM

- A. Underlying material is mineral ... R111XB001IN – Mineral Muck
- B. Underlying material is organic
 - i. Underlying material is limnic ... R111XB002IN – Limnic Muck
 - ii. Underlying material is not limnic and/or greater than 30 inches from the surface ... R111XB003IN – Deep Muck

II. Mineral PM

A. Lacustrine Parent Material

- i. Soils are very poorly or poorly drained ... F111XB101IN – Lacustrine Flatwood
- ii. Soils are somewhat poorly or moderately well drained ... F111XB102IN – Lacustrine Forest

B. Alluvium Parent Material

- i. Soil Surface dark in color (3/2 Munsell or darker)
 - a. Soils are in the aquic taxonomic suborder ... F111XB201IN – Wet Alluvium Floodplain
 - b. Soils are not in the aquic taxonomic suborder ... F111XB202IN – Dry Alluvium Floodplain
- ii. Soil surface light in color (lighter than 3/2 Munsell)
 - Soils are very poorly to somewhat poorly drained ... F111XB203IN – Wet Alluvium Forest
 - Soils are moderately well or well drained ... F111XB204IN – Dry Alluvium Forest

C. Bedrock Parent Material

- i. Soil surface dark in color 3/2 Munsell or darker ... R111XB301IN – Dark Bedrock Prairie
- ii. Soil surface light in color (lighter than 3/2 Munsell)
 - a. Soils are poorly or somewhat poorly drained ... F111XB302IN – Mesic Bedrock Forest
 - b. Soils are moderately well drained or drier ... F111XB303IN – Dry Bedrock Forest

D. Outwash Parent Material

- i. Soil surface dark in color 3/2 Munsell or darker
 - a. Soils are in the aquic suborder and/or very poorly or poorly drained ... R111XB401IN – Wet Outwash Mollisol
 - b. Soils are not in the aquic suborder and/or they are SWPD or drier ... R111XB402IN – Dry Outwash Integrate
- ii. Soil surface light in color lighter than 3/2 Munsell
 - a. Soils are very poorly to somewhat poorly drained ... F111XB403IN – Outwash Upland
 - b. Soils are moderately well drained or drier ... F111XB404IN – Dry Outwash Upland

E. Glacial Till Parent Material

- i. Site is on a concave landscape position and/or very poorly or poorly drained ... F111XB501IN – Till Depression
- ii. Site is on a convex landscape position

- a. Soils are somewhat poorly drained ... F111XB502IN – Wet Till Ridge
- b. Soils are moderately well or well drained ... F111XE503IN – Till Ridge