

Major Land Resource Area 111X

Indiana and Ohio Till Plain

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Ecological site keys

111D Outline

I. Organic PM

- A. organic material depth less than 51 inches ... R111XD001IN – Shallow Muck
- B. organic material depth 51 inches or greater ... R111XD002IN – Deep Muck

II. Mineral PM

A. Alluvium PM

- A. Soils are very poorly to somewhat poorly drained ... F111XD003IN – Wet Alluvium
- B. Soils are moderately well to excessively drained ... F111XD004IN – Dry Alluvium

B. Glacial Till

A. Site is located in a concave landscape position

- i. Soil surface color is lighter than 3/2 and/or an alfisol ... F111XD005IN – Till Depression
- ii. Soil surface color is 3/2 Munsell or darker
 - a. Soil Surface color is less than 10 inches deep ... R111XD006IN – Mollic Till Depression
 - b. Soil surface color is 10 inches or deeper
 - 1) Soils are well drained ... R111XD007IN – Till Depression Prairie
 - 2) Soils are very poorly or poorly drained ... F111XD008IN – Till Depression Flatwood

B. Site is located in a convex landscape position

- i. Soil surface color is lighter than 3/2
 - a. Soil is poorly or somewhat poorly drained ... F111XD009IN – Wet Till Ridge
 - b. Soil is moderately well or well drained ... F111XD010IN – Till Ridge
- ii. Soil surface color is 3/2 or darker
 - a. Soil surface color is less than 10 inches deep ... R111XD011IN – Mollic Till Ridge
 - b. Soil surface color is 10 inches or deeper ... R111XD012IN – Till Ridge Prairie

C. Lacustrine PM

- A. Soils are very poorly or poorly drained ... F111XD013IN – Wet Lacustrine Forest
- B. Soils are somewhat poorly or moderately well drained Lacustrine Forest ... F111XD014IN – Lacustrine Forest

D. Loess PM

- A. Soils are very poorly or poorly drained and/or are a mollisol ... F111XD015IN – Wet Loess Upland
- B. Soils are somewhat poorly to well drained and/or are an alfisol ... F111XD016IN – Dry Loess Upland

E. Outwash PM

- A. Soil surface color is lighter than 3/2
 - i. Soils are somewhat poorly or moderately well drained ... F111XD017IN – Outwash Upland
 - ii. Soils are well to excessively drained ... F111XD018IN – Dry Outwash Upland
- B. Soil surface color is darker than 3/2
 - i. Surface color is less than 10 inches deep ... R111XD019IN – Outwash Integrate

ii. Surface color is 10 inches or deeper

1) Soils are very poorly to somewhat poorly drained ... R111XD020IN – Wet Outwash Mollisol

2) Soils are moderately well to excessively well drained ... R111XD021IN – Dry Outwash Mollisol

F. Residuum PM

A. Depth to restrictive layer is less than 20 inches ... F111XD022IN – Shallow Restricted

B. Depth to restrictive layer is between 20 and 40 inches ... F111XD023IN – Moderately Deep Restricted

C. Depth to restrictive layer is greater than 40 inches ... F111XD024IN – Deep Restricted

G. Sand PM

A. Site is located on an interdunal landscape position ... F111XD025IN – Sandy Interdune

B. Site is located on a dune landscape position

i. Soil surface color is 3/2 or darker to a depth of 10 inches or greater ... R111XD026IN – Sand Dune Prairie

ii. Soil surface is lighter than that 3/2 munsell ... R111XD027IN – Sand Dune