

Major Land Resource Area 111X

Indiana and Ohio Till Plain

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Ecological site keys

111E_ES_KEY

1a. Organic parent material

2a. Underlying material is mineral [big bluestem -switchgrass]

2b. Underlying material is organic

3a. Underlying material is limnic (coprogenous earth) [big bluestem - eastern gamagrass???

3b. Underlying material is not limnic [bulrush - cattail]

1b. Non-organic parent material

4a. Active floodplain, alluvium parent material

5a. Soil surface dark in color (3/2 Munsell or darker)

6a. Soils are very poorly drained [cottonwood - sycamore]

6b. Soils are moderately well to well drained [Ohio buckeye - red maple]

5b. Soil surface light in color (lighter than 3/2 Munsell)

7a. Soils are poorly to somewhat poorly drained [silver maple - swamp white oak]

7b. Soils are moderately well to well drained [sugar maple - American basswood]

4b. Other landforms, not in floodplain, non-alluvium parent material

8a. Residuum of weathering bedrock

9a. Soils are somewhat poorly drained [sugar maple - American beech]

9b. Soils are moderately well to well drained [white oak - red oak]

8b. Unconsolidated deposits

10a. Ice-transported unstratified deposits (glacial till)

11a. Site is on a concave landscape position (toeslope and/or footslope) AND frequently ponded [pin oak -swamp white oak]

11b. site is on a convex landscape position (summit, shoulder, backslope)

12a. Soils are somewhat poorly drained [sugar maple - American beech]

12b. Soils are moderately well to well drained [sugar maple - American beech]

10b. Non-ice-transported stratified deposits

13a. Deposited in non-flowing water, lacustrine parent material

14a. Soils are very poorly or poorly drained [pin oak - swamp white oak]

14b. Soils are somewhat poorly drained or drier [sugar maple - American beech]

13b. Deposited in flowing water, outwash-colluvium parent material

15a. Soil surface dark in color (3/2 Munsell or darker)

16a. Soils are very poorly or poorly drained [prairie cordgrass - big bluestem]

16b. Soils are somewhat poorly drained or drier [white oak - bur oak / little bluestem - big bluestem]

15b. Soil surface light in color (lighter than 3/2 Munsell)

17a. Soils are very poorly, poorly or somewhat poorly drained [sugar maple - red oak]

17b. Soils are moderately well drained or drier [oaks / prairie understory]

[Label] [Criteria]