USDA icon **Natural Resources Conservation Service**

Major Land Resource Area 114X
Southern Illinois and Indiana Thin Loess and Till Plain

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Ecological site keys

Dichotomous Key to LRU 114XA (Indiana/Ohio)

1a. Residuum Parent Material

2a. Acidic parent material ... F114XA302IN – Acidic Upland Forest

2b. Calcareous parent material ... F114XA305IN – Non-Acidic Upland Forest

1b. Recently Deposited Parent Material

3a. Unsorted deposit (glacial till)

4a. Poorly drained to somewhat poorly drained ... F114XA501IN – Wet Till Flatwoods

4b. Moderately well drained to well drained

5a. Shoulders and sideslopes and slopes greater than 12% ... F114XA504IN – Sloping Till Upland Forest

5b. Other upland positions and slopes less than 15% ... F114XA502IN – Till Uplands

3b. Sorted deposit (wind/water laid deposits)

6a. Wind sorted deposit (Eolian Parent Material) ... F114XA802IN – Eolian Forest

6b. Water sorted deposts

7a. Lake deposts (Lacustrine Parent Material)

8a. Very poorly drained to somewhat poorly drained ... F114XA101IN – Wet Lacustrine Forest

8b. Somewhat poorly drained to well drained

9a. Somewhat poorly drained to moderately well drained and generally on terraces ... F114XA102IN – Lacustrine Terrace Forest

9b. MWD to well drained; generally on shoulders and sideslopes ... F114XA103IN – Sloping Lacustrine Forest

7b. Flowing water deposits

10a. Older non-floodplain deposits (Outwash Parent Material) ... F114XA404IN – Outwash Upland Forest

10b. Recent floodplain deposits (Alluvium Parent Material)

11a. Poorly drained to somewhat poorly drained ... F114XA203IN – Wet Alluvium Forest

11b. Moderately well drained to well drained ... F114XA204IN – Alluvium Forest

Outline to LRU 114XA (Indiana & Ohio)

I. Lacustrine Parent Material

1 Drainage

i. Very poorly drained to somewhat poorly drained ... F114XA101IN – Wet Lacustrine Forest

ii. Somewhat poorly drained to moderately well drained and generally on terraces ... F114XA102IN – Lacustrine Terrace Forest

iii. MWD to well drained; generally on shoulders and sideslopes ... F114XA103IN – Sloping Lacustrine Forest

II. Alluvium Parent Material

1 Drainage

i. Poorly drained to somewhat poorly drained ... F114XA203IN – Wet Alluvium Forest

ii. Moderately well drained to well drained ... F114XA204IN – Alluvium Forest

III. Residuum Parent Material

1 pH

i. Acidic parent material ... F114XA302IN – Acidic Upland Forest

ii. Calcareous parent material ... F114XA305IN – Non-Acidic Upland Forest

IV. Outwash Parent Material ... F114XA404IN – Outwash Upland Forest

V. Till Parent Materual

1 Drainage

i. Poorly drained to somewhat poorly drained ... F114XA501IN – Wet Till Flatwoods

ii. Moderately well drained to well drained on shoulders and sideslopes ... F114XA502IN – Till Uplands

iii. Well drained to moderately well drained on uplands Till Uplands ... F114XA504IN – Sloping Till Upland Forest

VI. Eolian Parent Material

1 Eolian parent materials ... F114XA802IN – Eolian Forest

Outline to LRU 114XB (Illinois)

A. Lacustrine

1 Poorly drained to somewhat poorly drained (slope 5% or less) ... F114XB103IN – Wet Lacustrine Forest

2 Somewhat poorly drained (slope 5% or greater) to well drained ... F114XB104IN – Lacustrine Forest

B. Alluvium

1 Poorly drained to somewhat poorly drained ... F114XB203IN – Wet Floodplain Forest

2 Moderately well drained to well drained ... F114XB204IN – Floodplain Forest

C. Residuum ... F114XB302IN – Residuum Upland Forest

D. Outwash

1 **Poorly drained to somewhat poorly drained** ... F114XB403IN – Wet Outwash Upland Forest

2 **Moderately well drained to well drained** ... F114XB404IN – Dry Outwash Upland Forest

E. Till

1 **Poorly drained to somewhat poorly drained** ... F114XB502IN – Wet Till Upland Forest

2 **Moderately well drained to well drained** ... F114XB503IN – Till Upland Forest

F. Eolian

1 **Sandy Textures** ... F114XB801IN – Sandy Eolian Woodland

2 **Silty Textures**

a. **Poorly drained to somewhat poorly drained, no influencing subsurface clay layer** ... F114XB803IN – Wet Silty Eolian Forest

b. **Poorly drained to somewhat poorly drained, influencing subsurface clay layer** ... F114XB805IL – Post Oak Flatwoods

c. **Moderately well drained to well drained** ... F114XB804IN – Silty Eolian Forest

G. Mollic

1 **Natric** ... R114XB901IN – Sodium Affected Uplands

2 **Non-Natric**

1 **Moderately well drained to well drained** ... R114XB903IN – Upland Prairie

2 **Poorly drained to somewhat poorly drained** ... R114XB902IN – Wet Upland Prairie