

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 deposits

7a. Lake deposits (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 Material

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