

# 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)

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##### 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)

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### 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)

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### 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