

# Major Land Resource Area 115x

## Central Mississippi Valley Wooded Slopes

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### Ecological site keys

#### 115XB

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#### I. Upland Summits, Shoulders or Backslopes

##### A. Bedrock < 20"

##### 1 Steep slope dominant (upper slope range to 70%)

- i. North, East aspects ... R115XB018MO – Limestone/Dolomite Protected Cliff
- ii. South, West aspects ... R115XB019MO – Limestone/Dolomite Exposed Cliff

##### 2 Steep slope minor

- i. Limestone/Dolomite residuum ... R115XB009MO – Shallow Limestone/Dolomite Upland Glade/Woodland
- ii. Sandstone residuum ... R115XB052MO – Shallow Sandstone Backslope Glade/Woodland

##### B. Bedrock > 20"

##### 1 <15% slope

##### i. Loess >40"

- a. HAHT (Human altered/human transported) material ... F115XB061MO – Anthropogenic Deep Loess Upland
- b. No HAHT (Human altered/human transported) material ... F115XB001MO – Deep Loess Upland Woodland

##### ii. Loess >12" and <40"

- a. Pediment/till substratum ... F115XB004MO – Loess Upland Woodland
- b. Residuum substratum ... F115XB005MO – Loamy Upland Woodland

##### iii. Little or no loess (<12")

##### a. Dolomite/Limestone residuum

- 1) Silt loam surface; not skeletal ... F115XB007MO – Loamy Limestone/Dolomite Upland Woodland
- 2) Skeletal to surface ... F115XB013MO – Chert Upland Woodland

- b. Sandstone residuum ... F115XB016MO – Sandstone Upland Woodland
- 2 >15% slope
- i. Loess >40”
    - a. North, East aspects ... F115XB003MO – Deep Loess Protected Backslope Forest
    - b. South, West aspects ... F115XB043MO – Deep Loess Exposed Backslope Woodland
  - ii. Loess >12” and <40”
    - a. North, East aspects ... F115XB006MO – Loamy Protected Backslope Forest
    - b. South, West aspects ... F115XB044MO – Loamy Exposed Backslope Woodland
  - iii. Little or no loess (<12”)
    - a. Dolomite/Limestone residuum
      - 1) Mollic (moist Munsell color value and chroma  $\leq 3$ ; minimum thickness of mollic colors is > 10 inches)
        - a) North, East aspects ... F115XB036MO – Calcareous Limestone Protected Backslope Forest
        - b) South, West aspects ... F115XB050MO – Calcareous Limestone Exposed Backslope Woodland
      - 2) Not Mollic
        - a) Silt Loam surface; not skeletal
          - (1) North, East aspects ... F115XB008MO – Loamy Limestone/Dolomite Protected Backslope Forest
          - (2) South, West aspects ... F115XB045MO – Loamy Limestone/Dolomite Exposed Backslope Woodland
        - b) Skeletal surface
          - (1) Bedrock >40”
            - (a) North, East aspects ... F115XB011MO – Chert Protected Backslope Forest
            - (b) South, West aspects ... F115XB048MO – Chert Exposed Backslope Woodland
          - (2) Bedrock 20-40”
            - (a) North, East aspects ... F115XB014MO – Chert Limestone/Dolomite Protected Backslope Forest
            - (b) South, West aspects ... F115XB046MO – Chert Limestone/Dolomite Exposed Backslope Woodland
    - b. Sandstone residuum

1) North, East aspects ... F115XB017MO – Sandstone Protected Backslope Forest

2) South, West aspects ... F115XB051MO – Sandstone Exposed Backslope Woodland

## II. Upland Drainageways

A. Poorly to Somewhat Poorly Drained ... F115XB026MO – Wet Upland Drainageway Forest

B. Moderately Well to Well Drained ... F115XB028MO – Loamy/Gravelly Upland Drainageway Forest

## III. High Terrace ... F115XB022MO – Loess High Terrace Forest

## IV. Foothills ... F115XB023MO – Wet Foothills Forest

## V. Low Terraces and Floodplain Steps

### A. Mollic (Historic Prairie)

1 Poorly to Somewhat Poorly Drained ... R115XB038MO – Wet Terrace Prairie

2 Moderately Well to Well Drained ... R115XB037MO – Loamy Terrace Prairie

### B. Not Mollic (Historic Forest)

1 Poorly to Somewhat Poorly Drained ... F115XB025MO – Wet Terrace Forest

2 Moderately Well to Well Drained ... F115XB024MO – Loamy Terrace Forest

C. HAHT (Human altered/human transported - Anthropogenic) material ... F115XB060MO – Anthropogenic Wet Terrace

## VI. VI. Floodplains (occasional to frequent flooding)

A. Pondered ... R115XB042MO – Pondered Floodplain Prairie

### B. Not pondered

#### 1 Mississippi/Missouri River floodplain

i. Sandy, loamy ... F115XB015MO – Sandy/Loamy Floodplain Forest

ii. Clayey ... F115XB041MO – Clayey Floodplain Forest

#### 2 Secondary stream floodplain

i. Skeletal ... F115XB020MO – Sandy/Gravelly Floodplain Forest

ii. Loamy ... F115XB031MO – Loamy Floodplain Forest