

Major Land Resource Area 115X

Central Mississippi Valley Wooded Slopes

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Ecological site keys

115XB

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

ii. Loess >12" and <40"

- a. Pedisidiment/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 ≤ 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. Footslope ... F115XB023MO – Wet Footslope 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 - Anthropic) material ... F115XB060MO – Anthropic 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