

Major Land Resource Area 119X Ouachita Mountains

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Ecological site keys

MLRA 119X ES Key

I. Soils formed in alluvium (flood plains and terraces).

A. Occasional (greater than 5 to 50 time in 100 years) to frequent (greater than 50 time in 100 years) flooding occurs.

1- Occurs on narrow flood plains adjacent to upland drainageways on toe slopes of mountains. Soils are well drained. ...

NX119X01Y012 – Drainageway

2- Occurs on nearly level, broad flood plains. Soils are poorly or very poorly drained. ... NX119X01Y018 – Poorly Drained Flood Plain

B. Rare (1 to 5 times in 100 years) and very brief flooding may occur (less than 48 hours).

1- Occurs on terraces adjacent to major streams and rivers. Soils are moderately well to well drained. ... NX119X01Y019 – Rarely Flooded Terrace

II. Soils formed in residuum and/or colluvium (summits, backslopes, and foot slopes of dissected plateaus, hills, and mountains).

A. Soils are shallow or very shallow (Less than 50 cm depth), loamy or fine loamy (18 to 35 percent clay) in the particle size control section. ... NX119X01Y003 – Shallow Upland

B. Soils are moderately deep, deep, or very deep (greater than 50 cm depth).

1- Loamy or fine loamy (18 to 35 percent clay) in the particle size control section. ... NX119X01Y007 – Loamy Upland

2- Clayey or fine (35 to 60 percent clay) in particle size control section.

i. Soils are well drained. A perched water table occurs below 30 cm, if present. ... NX119X01Y006 – Clayey Upland

iii. Soils are moderately well drained with a perched water table between 20 to 30 cm during winter and spring. ... NX119X01Y008 – Seasonally Wet Upland

iv. Soils have enough surface rock fragments to impede plant growth. ... NX119X01Y025 – Novaculite Upland