

# Major Land Resource Area 118A

## Arkansas Valley and Ridges, Eastern Part

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### Ecological site keys

#### MLRA 118A ES Key

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- I. Site receives additional moisture from the surrounding landscape (flood plains, terraces, and foot slopes), soils formed in alluvium.
- A. Rare (1 to 5 times in 100 years) to frequent (greater than 50 times in 100 years) flooding occurs.
    - 1 Occurs on flood plains.
      - i. Soils are well to moderately well drained and characterized by an irregular decrease in organic carbon, stratified textures and/or a buried A horizon (fluventic soils). ... NX118A01Y008 – Fluventic Flood Plain
      - ii. Soils are somewhat poorly to poorly drained and characterized by greater than 60 percent clay in the particle size control section and a layer of clay accumulation 20 to 30 cm from the surface. ... NX118A01Y004 – Clayey Flood Plain
    - 2 Occurs on paleoterraces or high terraces and are subject to rare flooding for brief periods (2- less than 7 days).
      - i. Soils are well to moderately well drained and characterized by a layer of clay accumulation within 25 to 50 cm from the soil surface. ... NX118A01Y003 – Rarely Flooded Terrace
  - B. Flooding does not occur.
    - 1 Soils are well to moderately well drained and characterized by a layer of clay accumulation within 25 to 50 cm from the soil surface. ... NX118A01Y007 – Seasonally Wet Terraces and Footslopes
- II. Site does not receive additional moisture from the surrounding landscape (side slopes, plateaus, and ridges), soils formed in residuum and colluvium.
- A. Soils are less than 50 cm to restrictive layer (shallow). ... NX118A01Y001 – Shallow Upland
  - B. Soil greater than or equal to 50 cm to restrictive layer (moderately deep, deep, or very deep).
    - 1 Occurs on linear to convex backslope or side slopes of paleoterraces, plateaus, and ridges.
      - i. Greater than 35 percent clay (fine) in the particle size control section with a layer of clay accumulation within 25 cm of the soil surface. ... NX118A01Y005 – Clayey Upland
      - ii. Less than 35 percent clay (fine-loamy or fine-silty) in particle size control section with a layer of clay accumulation within 10 to 35 cm from the soil surface. ... NX118A01Y002 – Loamy Upland
    - 2 Occurs on gently sloping to concave uplands.
      - i. Greater than 35 percent clay (fine) in the particle size control section and moderately to strongly alkaline (pH 7.9 to 9.0) below 25 cm. ... NX118A01Y006 – Alkali Flat