

# Major Land Resource Area 118B Arkansas Valley and Ridges, Western Part

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## Ecological site keys

### MLRA 118B PROVISIONAL ECOLOGICAL SITE (PES) KEY - Arkansas Valley and Ridges West

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- 1- Site receives additional moisture from the surrounding landscape, soils formed in alluvium.
  - A- Occurs on flood plain, soil characterized by seasonal water table, subject to rare to occasional flooding.
    - 1- Soils are fluventic (do not have restrictive soil horizon within 25cm, and are characterized by an irregular decrease in organic-carbon). ... NX118B01Y008 – Fluventic Flood Plain
    - 2- Soil characterized by greater than 18 percent clay by weight in the particle size control section. ... NX118B01Y006 – Wet Flood Plain
  - B- Occurs on high terraces and paleoterraces that are rarely to occasionally flooded. ... NX118B01Y004 – Rarely Flooded Terrace
- 2- Site does not receive additional moisture from the surrounding landscape.
  - A- Site occurs on summits, shoulders, and side slopes of interfluves, hills and mountains. Soils derived from colluvium and residuum.
    - 1- Less than 50cm to hard bedrock (soils are very shallow or shallow). ... NX118B01Y001 – Shallow Loamy Upland
  - B- Greater than 50cm to root restrictive layer (soils are moderately deep, deep, or very deep).
    - 1- Soil characterized by 35 to 60 percent clay by weight in the particle size control section (fine or clayey). ... NX118B01Y002 – Clayey Upland
    - 2- Soil characterized by 18 to 35 percent clay by weight in the particle size control section (fine-loamy or loamy). ... NX118B01Y003 – Loamy Upland
  - C- Site occurs on gently to moderately sloping hills and high terraces and soils are sandy in the particle size control section or loamy fine sand or fine sand in the upper 50-100cm. ... NX118B01Y007 – Sandy Hillslope