Major Land Resource Area 118A
Arkansas Valley and Ridges, Eastern Part

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Ecological site keys

MLRA 118A ES Key

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