

# Non-Technical Descriptions

Faulkner County, Arkansas

Only those map units that have entries for the selected non-technical description categories are included in this report.

## Map Unit: 1 - Acadia silt loam

**Description Category:** SOI

*This is a very deep, somewhat poorly to poorly drained soil on low terraces. This soil formed in loamy sediments underlain by clayey alluvium. Permeability is very slow and available water capacity is medium to high. A perched water table is within 1 to 2 feet of the surface during the winter and early spring. Depth to layers with high clay content range from about 8 to 20 inches.*

## Map Unit: 2 - Amy soils, frequently flooded

**Description Category:** SOI

*This is a very deep, poorly drained soil on floodplains. This soil formed in loamy alluvium. Permeability is slow and available water capacity is high. A perched water table is within 1.0 foot of the surface during the winter and early spring. Slope gradient is typically less than 1 percent. Flooding is frequent for brief to long periods during the winter and early spring.*

## Map Unit: 3 - Enders gravelly fine sandy loam, 3 to 8 percent slopes

**Description Category:** SOI

*Enders is a deep, well drained soil on sides and tops of hills, mountains, and ridges. This soil formed in a thin layer of loamy colluvium and underlying clayey residuum from acid shale or interbedded shale, siltstone, and sandstone. Permeability is very slow and available water capacity is medium. Shrink-swell potential is high in the subsoil.*

## Map Unit: 4 - Enders gravelly fine sandy loam, 8 to 12 percent slopes

**Description Category:** SOI

*Enders is a deep, well drained soil on sides and tops of hills, mountains, and ridges. This soil formed in a thin layer of loamy colluvium and underlying clayey residuum from acid shale or interbedded shale, siltstone, and sandstone. Permeability is very slow and available water capacity is medium. Shrink-swell potential is high in the subsoil.*

## Map Unit: 5 - Enders gravelly fine sandy loam, 12 to 45 percent slopes

**Description Category:** SOI

*Enders is a deep, well drained soil on sides and tops of hills, mountains, and ridges. This soil formed in a thin layer of loamy colluvium and underlying clayey residuum from acid shale or interbedded shale, siltstone, and sandstone. Permeability is very slow and available water capacity is medium. Shrink-swell potential is high in the subsoil.*

## Map Unit: 6 - Gallion silt loam

## Non-Technical Descriptions - Continued

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### Map Unit: 6 - Gallion silt loam

**Description Category:** SOI

*This is a very deep, well drained soil on natural levees and low terraces bordering major streams and their former channels. This soil formed in loamy alluvium. Permeability is moderate and the available water capacity is high.*

### Map Unit: 7 - Gallion silt loam, occasionally flooded

**Description Category:** SOI

*This is a very deep, well drained soil on floodplains of major streams and their tributaries. This soil formed in loamy alluvium. Permeability is moderate and available water capacity is high. Flooding is occasional for brief to long periods during the winter and spring.*

### Map Unit: 8 - Leadvale silt loam, 1 to 3 percent slopes

**Description Category:** SOI

*Leadvale is a deep, moderately well drained soil on toe slopes, benches, and terraces. This soil formed in loamy material derived from interbedded sandstone, siltstone and shale. Permeability is slow and available water capacity is medium. A perched water table is within 2.0 to 3.0 feet of the surface during the winter and early spring. This soil has a compact, brittle fragipan at about 22 to 32 inches which restricts penetration of roots and movement of water.*

### Map Unit: 9 - Leadvale silt loam, 3 to 8 percent slopes

**Description Category:** SOI

*Leadvale is a deep, moderately well drained soil on toe slopes, benches, and terraces. This soil formed in loamy material derived from interbedded sandstone, siltstone and shale. Permeability is slow and available water capacity is medium. A perched water table is within 2.0 to 3.0 feet of the surface during the winter and early spring. This soil has a compact, brittle fragipan at about 22 to 32 inches which restricts penetration of roots and movement of water.*

### Map Unit: 10 - Linker fine sandy loam, 1 to 3 percent slopes

**Description Category:** SOI

*Linker is a moderately deep, well drained soil on hillsides, ridgetops, and benches. This soil formed in loamy residuum of sandstone. Permeability is moderate and available water capacity is medium. Depth to sandstone bedrock ranges from about 20 to 40 inches.*

### Map Unit: 11 - Linker fine sandy loam, 3 to 8 percent slopes

**Description Category:** SOI

*Linker is a moderately deep, well drained soil on hillsides, ridgetops, and benches. This soil formed in loamy residuum of sandstone. Permeability is moderate and available water capacity is medium. Depth to sandstone bedrock ranges from about 20 to 40 inches.*

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### Map Unit: 12 - Linker fine sandy loam, 8 to 12 percent slopes

**Description Category:** SOI

*Linker is a moderately deep, well drained soil on hillsides, ridgetops, and benches. This soil formed in loamy residuum of sandstone. Permeability is moderate and available water capacity is medium. Depth to sandstone bedrock ranges from about 20 to 40 inches.*

### Map Unit: 13 - Linker-mountainburg association, 8 to 12 percent slopes

**Description Category:** SOI

*Mountainburg is a shallow, well drained soil on benches, ledges, and sides and tops of hills, mountains, and ridges. This soil formed in loamy residuum of sandstone or interbedded sandstone, siltstone and shale. Permeability is moderately rapid and available water capacity is low. Depth to hard bedrock ranges from about 12 to 20 inches.*

**Description Category:** SOI

*Linker is a moderately deep, well drained soil on hillsides, ridgetops, and benches. This soil formed in loamy residuum of sandstone. Permeability is moderate and available water capacity is medium. Depth to sandstone bedrock ranges from about 20 to 40 inches.*

### Map Unit: 14 - Linker-mountainburg association, 12 to 40 percent slopes

**Description Category:** SOI

*Linker is a moderately deep, well drained soil on hillsides, ridgetops, and benches. This soil formed in loamy residuum of sandstone. Permeability is moderate and available water capacity is medium. Depth to sandstone bedrock ranges from about 20 to 40 inches.*

**Description Category:** SOI

*Mountainburg is a shallow, well drained soil on benches, ledges, and sides and tops of hills, mountains, and ridges. This soil formed in loamy residuum of sandstone or interbedded sandstone, siltstone and shale. Permeability is moderately rapid and available water capacity is low. Depth to hard bedrock ranges from about 12 to 20 inches.*

### Map Unit: 15 - Mckamie silty clay loam, 3 to 8 percent slopes, severely eroded

**Description Category:** SOI

*This soil is a very deep, well drained soil on stream terraces. This soil formed in thin loamy sediments underlain by clayey alluvium. Permeability is very slow and available water capacity is medium. Depth to layers with high clay content is typically less than 10 inches. This soil may shrink and crack when dry and the cracks seal when wet.*

### Map Unit: 16 - Moreland silty clay

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### Map Unit: 16 - Moreland silty clay

**Description Category:** SOI

*This soil is a very deep, somewhat poorly drained soil on broad flats and in depressions that were backswamps of major streams and their tributaries. This soil formed in clayey alluvium. Permeability is very slow and available water is high. This soil has high to very high shrink-swell potential, and shrinks and cracks when dry and the cracks seal when the soil is wet.*

### Map Unit: 17 - Mountainburg gravelly fine sandy loam, 3 to 8 percent slopes

**Description Category:** SOI

*Mountainburg is a shallow, well drained soil on benches, ledges, and sides and tops of hills, mountains, and ridges. This soil formed in loamy residuum of sandstone or interbedded sandstone, siltstone and shale. Permeability is moderately rapid and available water capacity is low. Depth to hard bedrock ranges from about 12 to 20 inches.*

### Map Unit: 18 - Mountainburg gravelly fine sandy loam, 8 to 12 percent slopes

**Description Category:** SOI

*Mountainburg is a shallow, well drained soil on benches, ledges, and sides and tops of hills, mountains, and ridges. This soil formed in loamy residuum of sandstone or interbedded sandstone, siltstone and shale. Permeability is moderately rapid and available water capacity is low. Depth to hard bedrock ranges from about 12 to 20 inches.*

### Map Unit: 19 - Mountainburg very stony fine sandy loam, 8 to 12 percent slopes

**Description Category:** SOI

*Mountainburg is a shallow, well drained soil on benches, ledges, and sides and tops of hills, mountains, and ridges. This soil formed in loamy residuum of sandstone or interbedded sandstone, siltstone and shale. Permeability is moderately rapid and available water capacity is low. Depth to hard bedrock ranges from about 12 to 20 inches.*

### Map Unit: 20 - Mountainburg very stony fine sandy loam, 12 to 40 percent slopes

**Description Category:** SOI

*Mountainburg is a shallow, well drained soil on benches, ledges, and sides and tops of hills, mountains, and ridges. This soil formed in loamy residuum of sandstone or interbedded sandstone, siltstone and shale. Permeability is moderately rapid and available water capacity is low. Depth to hard bedrock ranges from about 12 to 20 inches.*

### Map Unit: 21 - Muskogee silt loam, 1 to 3 percent slopes

**Description Category:** SOI

*This is a very deep, moderately well drained soil on stream terraces. This soil formed in loamy and clayey alluvium. Permeability is slow and available water capacity is medium to high. Depth to layers with high clay content range from about 20 to 36 inches.*

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**Map Unit: 21** - Muskogee silt loam, 1 to 3 percent slopes

**Map Unit: 22** - Muskogee silty clay loam, 3 to 8 percent slopes, severely eroded

**Description Category:** SOI

*This is a very deep, moderately well drained soil on stream terraces. This soil formed in loamy and clayey alluvium. Permeability is slow and available water capacity is medium to high. Depth to layers with high clay content range from about 20 to 36 inches.*

**Map Unit: 23** - Ouachita silt loam, occasionally flooded

**Description Category:** SOI

*This is a very deep, well drained soil on floodplains of major streams and their tributaries. This soil formed in loamy alluvium. Permeability is moderately slow and available water capacity is high. Flooding is occasional for brief periods during the winter and spring.*

**Map Unit: 24** - Perry clay, occasionally flooded

**Description Category:** SOI

*This is a very deep, poorly drained soil on broad flats and in depressions that were backswamps of major streams and their tributaries. This soil formed in clayey alluvium. Permeability is very slow and available water capacity is high. This soil has high to very high shrink-swell potential, and shrinks and cracks when dry, and the cracks seal when the soil is wet.*

**Map Unit: 25** - Pickwick silt loam, 1 to 3 percent slopes

**Description Category:** SOI

*This is a very deep, well drained soil on stream terraces. This soil formed in loamy alluvial material derived from parent material on surrounding uplands. Permeability is moderate and available water capacity is high.*

**Map Unit: 26** - Pickwick silt loam, 3 to 8 percent slopes, eroded

**Description Category:** SOI

*This is a very deep, well drained soil on stream terraces. This soil formed in loamy alluvial material derived from parent material on surrounding uplands. Permeability is moderate and available water capacity is high.*

**Map Unit: 27** - Roxana very fine sandy loam

**Description Category:** SOI

*This is a very deep, well drained soil on natural levees and low terraces bordering major streams and their former channels. This soil formed in loamy alluvium. Permeability is moderate and the available water capacity is high.*

## Non-Technical Descriptions - Continued

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**Map Unit: 27** - Roxana very fine sandy loam

**Map Unit: 28** - Roxana very fine sandy loam, occasionally flooded

**Description Category:** SOI

*This is a very deep, well drained soil on floodplains of major streams and their tributaries. This soil formed in loamy alluvium. Permeability is moderate and available water capacity is high. Flooding is occasional for brief to long periods during the winter and spring.*

**Map Unit: 31** - Spadra fine sandy loam, 1 to 3 percent slopes

**Description Category:** SOI

*This is a very deep, well drained soil on stream terraces. This soil formed in loamy alluvial material derived from parent material on surrounding uplands. Permeability is moderate and available water capacity is high.*

**Map Unit: 32** - Taft silt loam, 0 to 2 percent slopes

**Description Category:** SOI

*This is a deep, somewhat poorly drained soil on broad flats and low terraces. This soil formed in loamy material weathered from interbedded sandstone, siltstone, and shale. Permeability is slow and available water capacity is medium. A perched water table is within 1.0 to 2.0 feet of the surface during the winter and early spring. This soil has a compact, brittle fragipan at about 20 to 32 inches which restricts penetration of roots and movement of water.*

**Map Unit: 33** - Yorktown silty clay

**Description Category:** SOI

*This is a very deep, very poorly drained soil in low, ponded backswamps and abandoned oxbows of major streams and their tributaries. This soil formed in clayey alluvium. This soil is normally under 6 inches or more of water at least 10 months of most years. Permeability is very slow. This soil has a very high shrink-swell potential but does not crack because it is wet most of the time.*