

# 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:** WOO

*These soils have moderately high potential for production of commercial wood products. Common trees grown on these soils include loblolly pine, shortleaf pine, cherrybark oak, sweetgum, and water oak. Loblolly pine has potential to produce 123 to 133 cubic feet per acre annually on these soils. Equipment use may be restricted for 1 to 3 months because of wetness. These soils also have moderate plant competition. (Woodland Ordination Symbol - 8W8)*

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

**Description Category:** WOO

*These soils have moderate potential for production of commercial wood products. Common trees include water oak, willow oak, sweetgum and green ash. Water oak has potential to produce 85 to 94 cubic feet per acre annually on these soils. Equipment use may be restricted for 1 to 3 months due to wetness and flooding. Seedling mortality may be 50 percent or more due to wetness and flooding, and special site preparation may be needed. (Woodland Ordination Symbol - 6W)*

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

**Description Category:** WOO

*Enders soils have moderate potential for production of commercial wood products. Common trees grown on these soils include shortleaf pine, loblolly pine, southern red oak, and white oak. Shortleaf pine has potential to produce 80 to 92 cubic feet per acre annually on these soils. There are no significant limitations for woodland use and management, except for moderate plant competition. (Woodland Ordination Symbol - 6A7)*

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

**Description Category:** WOO

*Enders soils have moderate potential for production of commercial wood products. Common trees grown on these soils include shortleaf pine, loblolly pine, southern red oak, and white oak. Shortleaf pine has potential to produce 80 to 92 cubic feet per acre annually on these soils. There are no significant limitations for woodland use and management, except for moderate plant competition. (Woodland Ordination Symbol - 6A7)*

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

**Description Category:** WOO

*Enders soils have moderate potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, southern red oak, and white oak. Shortleaf pine has potential to produce 80 to 92 cubic feet per acre annually on these soils. Equipment use is moderately restricted due to steep slopes and stones on the surface. Erosion is a moderate hazard and erosion control measures are needed in disturbed areas. (Woodland Ordination Symbol - 6R8)*

## Non-Technical Descriptions - Continued

Faulkner County, Arkansas

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

**Description Category:** WOO

*These soils have moderately high potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, sweetgum, southern red oak, and white oak. Shortleaf pine has potential to produce 108 to 120 cubic feet per acre annually on these soils. Windthrow hazard is a moderate hazard due to a compact, brittle fragipan which reduces rooting depth. An occasional tree may blow down with moderate or strong winds. Plant competition is also moderate.*

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

**Description Category:** WOO

*These soils have moderately high potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, sweetgum, southern red oak, and white oak. Shortleaf pine has potential to produce 108 to 120 cubic feet per acre annually on these soils. Windthrow hazard is a moderate hazard due to a compact, brittle fragipan which reduces rooting depth. An occasional tree may blow down with moderate or strong winds. Plant competition is also moderate.*

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

**Description Category:** WOO

*Linker soils have moderate potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, southern red oak, white oak, and eastern red cedar. Shortleaf pine has potential to produce 80 to 92 cubic feet per acre annually on these soils. These soils are moderately deep to bedrock and windthrow hazard is moderate. An occasional tree may blow down with moderate or strong winds. Plant competition is also moderate on these soils.*

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

**Description Category:** WOO

*Linker soils have moderate potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, southern red oak, white oak, and eastern red cedar. Shortleaf pine has potential to produce 80 to 92 cubic feet per acre annually on these soils. These soils are moderately deep to bedrock and windthrow hazard is moderate. An occasional tree may blow down with moderate or strong winds. Plant competition is also moderate on these soils.*

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

**Description Category:** WOO

*Linker soils have moderate potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, southern red oak, white oak, and eastern red cedar. Shortleaf pine has potential to produce 80 to 92 cubic feet per acre annually on these soils. These soils are moderately deep to bedrock and windthrow hazard is moderate. An occasional tree may blow down with moderate or strong winds. Plant competition is also moderate on these soils.*

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

## Non-Technical Descriptions - Continued

Faulkner County, Arkansas

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

**Description Category:** WOO

*Linker soils have moderate potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, southern red oak, white oak, and eastern red cedar. Shortleaf pine has potential to produce 80 to 92 cubic feet per acre annually on these soils. These soils are moderately deep to bedrock and windthrow hazard is moderate. An occasional tree may blow down with moderate or strong winds. Plant competition is also moderate on these soils.*

**Description Category:** WOO

*Mountainburg soils have low potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, post oak, blackjack oak, and eastern red cedar. Shortleaf pine has potential to produce 66 to 78 cubic feet per acre annually on these soils. These soils are shallow to bedrock and windthrow hazard is severe. Seedling mortality is moderate during periods of low rainfall. (Woodland Ordination Symbol - 5D8)*

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

**Description Category:** WOO

*Linker soils have moderate potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, southern red oak, white oak, and eastern red cedar. Shortleaf pine has potential to produce 80 to 92 cubic feet per acre annually on these soils. Equipment use is moderately restricted due to steep slopes and stones on the surface. These soils are moderately deep to bedrock and windthrow hazard is moderate. (Woodland Ordination Symbol - 6R8)*

**Description Category:** WOO

*Mountainburg soils have low potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, post oak, blackjack oak, and eastern red cedar. Shortleaf pine has potential to produce 66 to 78 cubic feet per acre annually on these soils. Equipment use is moderately restricted due to steep slopes and stones on the surface. Windthrow hazard is severe. Seedling mortality is moderate. (Woodland Ordination Symbol - 5R8)*

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

**Description Category:** WOO

*These soils have moderately high potential for production of commercial wood products. Common trees grown on these soils include loblolly pine and shortleaf pine. Loblolly pine has potential to produce 107 to 120 cubic feet per acre annually on these soils. Equipment use is moderately restricted because of high clay content near the surface which reduces the load bearing capacity of these soils when they are moist. Plant competition is also moderate on these soils. (Woodland Ordination Symbol - 8C2)*

### Map Unit: 16 - Moreland silty clay

**Description Category:** WOO

*These soils have moderately high potential for production of commercial wood products. Common trees grown on these soils include cherrybark oak, eastern cottonwood, Nuttall oak, sweetgum, and water oak. Cherrybark oak has potential to produce 110 to 120 cubic feet per acre annually on these soils. Equipment use may be restricted for 1 to 3 months due to wetness. Seedling mortality may be 25 to 50 percent due to wetness. (Woodland Ordination Symbol - 8W)*

## Non-Technical Descriptions - Continued

Faulkner County, Arkansas

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

**Description Category:** WOO

*Mountainburg soils have low potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, post oak, blackjack oak, and eastern red cedar. Shortleaf pine has potential to produce 66 to 78 cubic feet per acre annually on these soils. These soils are shallow to bedrock and windthrow hazard is severe. Seedling mortality is moderate during periods of low rainfall. (Woodland Ordination Symbol - 5D8)*

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

**Description Category:** WOO

*Mountainburg soils have low potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, post oak, blackjack oak, and eastern red cedar. Shortleaf pine has potential to produce 66 to 78 cubic feet per acre annually on these soils. These soils are shallow to bedrock and windthrow hazard is severe. Seedling mortality is moderate during periods of low rainfall. (Woodland Ordination Symbol - 5D8)*

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

**Description Category:** WOO

*Mountainburg soils have low potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, post oak, blackjack oak, and eastern red cedar. Shortleaf pine has potential to produce 66 to 78 cubic feet per acre annually on these soils. Equipment use is moderately restricted due to stones on the surface. These soils are shallow to bedrock and windthrow hazard is severe. Seedling mortality is moderate. (Woodland Ordination Symbol - 5X8)*

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

**Description Category:** WOO

*Mountainburg soils have low potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, post oak, blackjack oak, and eastern red cedar. Shortleaf pine has potential to produce 66 to 78 cubic feet per acre annually on these soils. Equipment use is moderately restricted due to steep slopes and stones on the surface. Windthrow hazard is severe. Seedling mortality is moderate. (Woodland Ordination Symbol - 5R8)*

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

**Description Category:** WOO

*These soils have moderately high potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, southern red oak, white oak, and sweetgum. Shortleaf pine has potential to produce 108 to 120 cubic feet per acre annually on these soils. There are no significant limitations for woodland use and management, except for moderate plant competition. (Woodland Ordination Symbol - 8A7)*

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

## Non-Technical Descriptions - Continued

Faulkner County, Arkansas

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

**Description Category:** WOO

*These soils have moderately high potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, southern red oak, white oak, and sweetgum. Shortleaf pine has potential to produce 108 to 120 cubic feet per acre annually on these soils. There are no significant limitations for woodland use and management, except for moderate plant competition. (Woodland Ordination Symbol - 8A7)*

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

**Description Category:** WOO

*These soils have moderately high potential for production of commercial wood products. Common trees include loblolly pine, American sycamore, eastern cottonwood, Nuttall oak and sweetgum. Loblolly pine has potential to produce 136 to 149 cubic feet per acre annually on these soils. Equipment use may be restricted due to flooding or wetness. Seedling mortality may be 25 to 50 percent due to flooding or wetness. (Woodland Ordination Symbol - 10W)*

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

**Description Category:** WOO

*These soils have moderate potential for production of commercial wood products. Common trees include cherrybark oak, eastern cottonwood, sweetgum, green ash, and water oak. Cherrybark oak has potential to produce 80 to 90 cubic feet per acre annually on these soils. Equipment use may be restricted for 1 to 3 months due to wetness. Seedling mortality may be 25 to 50 percent due to wetness on these soils. (Woodland Ordination Symbol 6W)*

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

**Description Category:** WOO

*These soils have moderately high potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, southern red oak, white oak, and sweetgum. Shortleaf pine has potential to produce 108 to 120 cubic feet per acre annually on these soils. There are no significant limitations for woodland use and management, except for moderate plant competition. (Woodland Ordination Symbol - 8A7)*

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

**Description Category:** WOO

*These soils have moderately high potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, southern red oak, white oak, and sweetgum. Shortleaf pine has potential to produce 108 to 120 cubic feet per acre annually on these soils. There are no significant limitations for woodland use and management, except for moderate plant competition. (Woodland Ordination Symbol - 8A7)*

**Map Unit: 29** - Sallisaw gravelly sandy loam, 3 to 8 percent slopes

## Non-Technical Descriptions - Continued

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**Map Unit: 29** - Sallisaw gravelly sandy loam, 3 to 8 percent slopes

**Description Category:** WOO

*These soils have moderate potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, southern red oak, white oak, and sweetgum. Shortleaf pine has potential to produce 95 to 105 cubic feet per acre annually on these soils. There are no significant limitations for woodland use and management, except for moderate plant competition. (Woodland Ordination Symbol - 7A)*

**Map Unit: 30** - Sallisaw gravelly sandy loam, 8 to 12 percent slopes

**Description Category:** WOO

*These soils have moderate potential for production of commercial wood products. Common trees include shortleaf pine, loblolly pine, southern red oak, white oak, and sweetgum. Shortleaf pine has potential to produce 95 to 105 cubic feet per acre annually on these soils. There are no significant limitations for woodland use and management, except for moderate plant competition. (Woodland Ordination Symbol - 7A)*

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

**Description Category:** WOO

*These soils have moderately high potential for production of commercial wood products. Common trees grown on these soils include shortleaf pine, loblolly pine, eastern cottonwood, white oak, and sweetgum. Shortleaf pine has potential to produce 124 to 134 cubic feet per acre annually on these soils. There are no significant limitations for woodland use and management, except for plant competition which is moderate to severe. (Woodland Ordination Symbol - 9A7)*

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

**Description Category:** WOO

*These soils have moderate potential for production of commercial wood products. Common trees include loblolly pine, shortleaf pine, and sweetgum. Shortleaf pine has potential to produce 80 to 92 cubic feet per acre annually on these soils. Equipment use may be restricted for 1 to 3 months due to wetness. Seedling mortality may be 25 to 50 percent due to wetness on these soils. Special site preparation may be needed. (Woodland Ordination Symbol - 6W)*