

24E—Groseclose silt loam, 25 to 35 percent slopes

Map Unit Setting National map unit symbol: kgcd Elevation: 1,000 to 2,600 feet Mean annual precipitation: 30 to 45 inches Mean annual air temperature: 50 to 57 degrees F Frost-free period: 171 to 207 days Farmland classification: Not prime farmland

Map Unit Composition Groseclose and similar soils. 75 percent Estimates are based on observations, descriptions, and transects of the mapunit.

Setting

Soil Map-Roanoke County and the Cities of Roanoke and Salem, Mirginia

Web Soil Survey

National Cooperative Soil Survey

Natural Resources
Conservation Service

Landform: Hills Landform position (two-dimensional): Backslope Landform position (three-dimensional): Nose slope, side slope Across-slope shape: Convex Parent material: Residuum weathered from limestone and shale and

Typical profile H1 - 0 to 18 inches: silt loam H2 - 18 to 62 inches: silty clay

Properties and qualities Slope: 25 to 35 percent Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained Runoff class: Very high Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr) Depth to water table: More than 80 inches Frequency of flooding: None

Available water storage in profile: Moderate (about 8.7 inches) Interpretive groups Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: C **Data Source Information**

Frequency of ponding: None

Soil Survey Area: Roanoke County and the Cities of Roanoke and Salem, Virginia Survey Area Data: Version 9, Sep 23, 2014

Mean annual air temperature: 50 to 57 degrees F Frost-free period: 171 to 207 days Farmland classification: Not prime farmland

Map Unit Composition Derroc and similar soils: 75 percent Minor components: 5 percent

Estimates are based on observations, descriptions, and transects of the

Description of Derroc

Landform: Flood plains

Landform position (three-dimensional): Tread Down-slope shape: Linear Across-slope shape: Linear Parent material: Moderate and coarse textured alluvium Typical profile

H1 - 0 to 4 inches: cobbly sandy loam H2 - 4 to 31 inches: very cobbly sandy loam H3 - 31 to 65 inches: extremely cobbly loamy sand

Properties and qualities Slope: 0 to 4 percent

Frequency of flooding: Occasional

Depth to restrictive feature: More than 80 inches Natural drainage class: Well drained Runoff class: Very low Capacity of the most limiting layer to transmit water (Ksat): High to very high (1.98 to 19.98 in/hr) Depth to water table: More than 80 inches

Frequency of ponding: None Available water storage in profile: Low (about 4.4 inches) Interpretive groups Land capability classification (irrigated): None specified

Hydrologic Soil Group: A

Minor Components Clubcaf Percent of map unit: 5 percent

Landform position (three-dimensional): Tread

Landform: Depressions on flood plains

Down-slope shape: Linear, concave

Land capability classification (nonirrigated): 2s

Across-slope shape: Linear, concave **Data Source Information**

Soil Survey Area: Roanoke County and the Cities of Roanoke and Salem, Virginia Survey Area Data: Version 9, Sep 23, 2014

50E—Tumbling loam, 25 to 45 percent slopes, very stony

Map Unit Setting National map unit symbol: kgd5 Elevation: 1.100 to 2.400 feet Mean annual precipitation: 30 to 45 inches Mean annual air temperature: 50 to 57 degrees F Frost-free period: 171 to 207 days Farmland classification: Not prime farmland

Map Unit Composition Tumbling and similar soils: 80 percent Estimates are based on observations, descriptions, and transects of the

Description of Tumbling

Setting Landform: Fans Landform position (two-dimensional): Footslope Landform position (three-dimensional): Base slope, head slope Down-slope shape: Concave Across-slope shape: Linear Parent material: Colluvium derived from sandstone and shale and/

or quartzite Typical profile H1 - 0 to 11 inches: loam

H2 - 11 to 62 inches; gravelly clay **Properties and qualities**

Slope: 25 to 45 percent Percent of area covered with surface fragments: 1.5 percent Depth to restrictive feature: More than 80 inches Natural drainage class: Well drained

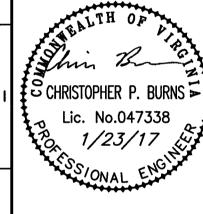
Runoff class: High Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr) Depth to water table: More than 80 inches Frequency of flooding: None Frequency of ponding: None

Available water storage in profile: Moderate (about 7.5 inches) Interpretive groups Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Data Source Information

Soil Survey Area: Roanoke County and the Cities of Roanoke and Salem, Virginia Survey Area Data: Version 9, Sep 23, 2014



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