

Washington County, Colorado

17—Colby-Norka loams, 5 to 9 percent slopes

Map Unit Setting

Elevation: 3,800 to 5,500 feet

Mean annual precipitation: 12 to 17 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 135 to 155 days

Map Unit Composition

Colby and similar soils: 45 percent

Norka and similar soils: 35 percent

Minor components: 20 percent

Description of Colby

Setting

Landform: Hills

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Loess

Typical profile

H1 - 0 to 8 inches: moderately alkaline, loam

H2 - 8 to 60 inches: moderately alkaline, silt loam

Properties and qualities

Slope: 5 to 9 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.57 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 15 percent

Available water storage in profile: High (about 10.6 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability classification (irrigated): 6e

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B

Ecological site: Loamy Slopes (R067BY008CO)

Description of Norka

Setting

Landform: Hills

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Loess

Typical profile

H1 - 0 to 4 inches: neutral, loam

H2 - 4 to 13 inches: neutral, silty clay loam

H3 - 13 to 60 inches: moderately alkaline, silt loam

Properties and qualities

Slope: 5 to 9 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.20 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 15 percent

Available water storage in profile: High (about 10.7 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability classification (irrigated): 6e

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B

Ecological site: Loamy Slopes (R067BY008CO)

Minor Components

Otero

Percent of map unit: 10 percent

Ulysses

Percent of map unit: 10 percent

Data Source Information

Soil Survey Area: Washington County, Colorado

Survey Area Data: Version 14, Dec 23, 2013