

## 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