

## Washington County, Colorado

### 58—Rago silt loam, 0 to 2 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2tlq4

*Elevation:* 4,220 to 5,310 feet

*Mean annual precipitation:* 13 to 20 inches

*Mean annual air temperature:* 46 to 54 degrees F

*Frost-free period:* 135 to 165 days

*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Rago and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Rago

##### Setting

*Landform:* Swales, interfluves

*Landform position (two-dimensional):* Summit

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Linear, concave

*Across-slope shape:* Concave

*Parent material:* Two ages of loess over local alluvium

##### Typical profile

*Ap - 0 to 4 inches:* silt loam

*BA - 4 to 9 inches:* silt loam

*Bt - 9 to 18 inches:* silty clay loam

*2Btkb1 - 18 to 29 inches:* silty clay

*2Btkb2 - 29 to 41 inches:* silty clay loam

*2Bkb - 41 to 80 inches:* silt loam

##### Properties and qualities

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Medium

*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

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 15 percent

*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.1 to 2.0 mmhos/cm)

*Available water storage in profile:* High (about 11.7 inches)

### **Interpretive groups**

*Land capability classification (irrigated): 3s*

*Land capability classification (nonirrigated): 3c*

*Hydrologic Soil Group: C*

*Ecological site: Loamy Plains (R067BY002CO)*

*Hydric soil rating: No*

### **Minor Components**

#### **Weld**

*Percent of map unit: 8 percent*

*Landform: Interfluves*

*Landform position (two-dimensional): Summit*

*Landform position (three-dimensional): Interfluve*

*Down-slope shape: Linear*

*Across-slope shape: Linear*

*Ecological site: Loamy Plains (R067BY002CO)*

*Hydric soil rating: No*

#### **Kuma**

*Percent of map unit: 7 percent*

*Landform: Interfluves*

*Landform position (two-dimensional): Summit*

*Landform position (three-dimensional): Interfluve*

*Down-slope shape: Linear*

*Across-slope shape: Linear*

*Ecological site: Loamy Plains (R067BY002CO)*

*Hydric soil rating: No*

## **Data Source Information**

Soil Survey Area: Washington County, Colorado

Survey Area Data: Version 19, Oct 10, 2017