

## 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):* Interfluvium

*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 21, Sep 13, 2019



## Washington County, Colorado

### 78—Weld silt loam, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2x0hx

*Elevation:* 3,600 to 6,000 feet

*Mean annual precipitation:* 12 to 18 inches

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

*Frost-free period:* 115 to 155 days

*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Weld and similar soils:* 80 percent

*Minor components:* 20 percent

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

#### Description of Weld

##### Setting

*Landform:* Interfluves

*Landform position (two-dimensional):* Summit

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Calcareous loess

##### Typical profile

*Ap - 0 to 3 inches:* silt loam

*Bt1 - 3 to 11 inches:* silty clay

*Bt2 - 11 to 15 inches:* silty clay

*Btk - 15 to 21 inches:* silty clay

*Bk - 21 to 31 inches:* silt loam

*C - 31 to 80 inches:* silt loam

##### Properties and qualities

*Slope:* 0 to 3 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:* 14 percent

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

*Sodium adsorption ratio, maximum in profile:* 5.0

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



### **Interpretive groups**

*Land capability classification (irrigated): 2e*

*Land capability classification (nonirrigated): 3c*

*Hydrologic Soil Group: C*

*Ecological site: Loamy Plains (R067BY002CO)*

*Hydric soil rating: No*

### **Minor Components**

#### **Colby**

*Percent of map unit: 7 percent*

*Landform: Hillslopes*

*Landform position (two-dimensional): Backslope*

*Landform position (three-dimensional): Side slope*

*Down-slope shape: Convex*

*Across-slope shape: Convex*

*Ecological site: Loamy Plains (R067BY002CO)*

*Hydric soil rating: No*

#### **Keith**

*Percent of map unit: 5 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*

#### **Adena**

*Percent of map unit: 5 percent*

*Landform: Interfluves*

*Landform position (two-dimensional): Summit*

*Landform position (three-dimensional): Interfluve*

*Down-slope shape: Convex*

*Across-slope shape: Convex*

*Ecological site: Loamy Plains (R067BY002CO)*

*Hydric soil rating: No*

#### **Rago, rarely flooded**

*Percent of map unit: 2 percent*

*Landform: Drainageways*

*Down-slope shape: Linear*

*Across-slope shape: Concave*

*Ecological site: Overflow (R067BY036CO)*

*Hydric soil rating: No*

#### **Pleasant, ponded**

*Percent of map unit: 1 percent*

*Landform: Closed depressions, playas*

*Down-slope shape: Concave*

*Across-slope shape: Concave*

*Ecological site: Closed Upland Depression (R067BY010CO)*



*Hydric soil rating:* Yes

## Data Source Information

Soil Survey Area: Washington County, Colorado

Survey Area Data: Version 21, Sep 13, 2019





		<i>Lb/ac</i>	<i>Lb/ac</i>	<i>Lb/ac</i>		<i>Pct</i>
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58—Rago silt loam, 0 to 2 percent slopes						
Rago	Loamy Plains	1,800	1,300	600	Western wheatgrass	40
					Green needlegrass	25
					Switchgrass	15
					Needleandthread	5
					Sedge	5
					Buffalograss	5
					Big bluestem	5
					Yellow indianguass	5
					American deervetch	—
					Fourwing saltbush	—
					Prairie coneflower	—
					Winterfat	—
					Blue grama	—

78—Weld silt loam, 0 to 3 percent slopes						
Weld	Loamy Plains	1,800	1,300	600	Western wheatgrass	20
					Green needlegrass	10
					Sideoats grama	10
					Prairie junegrass	10
					Buffalograss	5
					Needleandthread	5
					Fourwing saltbush	—
					Winterfat	—
					Blue grama	—