

## Jackson County Area, Colorado

### Ra—Randman sandy loam

#### Map Unit Setting

*National map unit symbol:* jq0j

*Elevation:* 7,820 to 9,000 feet

*Mean annual precipitation:* 10 to 15 inches

*Mean annual air temperature:* 36 to 38 degrees F

*Frost-free period:* 35 to 45 days

*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Randman and similar soils:* 90 percent

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

#### Description of Randman

##### Setting

*Landform:* Terraces, benches, terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Alluvium and/or noncalcareous outwash

##### Typical profile

*H1 - 0 to 6 inches:* sandy loam

*H2 - 6 to 30 inches:* gravelly sandy clay loam

*H3 - 30 to 60 inches:* very gravelly sand

##### Properties and qualities

*Slope:* 1 to 4 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Poorly drained

*Runoff class:* Low

*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:* About 0 to 6 inches

*Frequency of flooding:* Rare

*Frequency of ponding:* None

*Available water storage in profile:* Low (about 4.8 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 6w

*Land capability classification (nonirrigated):* 6w

*Hydrologic Soil Group:* B/D

*Hydric soil rating:* Yes

## **Data Source Information**

Soil Survey Area: Jackson County Area, Colorado  
Survey Area Data: Version 7, Sep 22, 2014

Plant Composition: None Listed

Ra—Randman sandy loam						
Randman	—	—	—	—	—	—

## Jackson County Area, Colorado

### Fh—Fluetsch-Tiagos association

#### Map Unit Setting

*National map unit symbol:* jpzf

*Elevation:* 8,000 to 9,000 feet

*Mean annual precipitation:* 14 to 16 inches

*Mean annual air temperature:* 36 to 39 degrees F

*Frost-free period:* 30 to 40 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Tiagos and similar soils:* 45 percent

*Fluetsch and similar soils:* 45 percent

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

#### Description of Tiagos

##### Setting

*Landform:* Outwash terraces, valleys, terraces, alluvial fans

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Calcareous alluvium derived from sandstone and shale

##### Typical profile

*H1 - 0 to 12 inches:* fine sandy loam

*H2 - 12 to 60 inches:* fine sandy loam

##### Properties and qualities

*Slope:* 2 to 20 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):* High  
(2.00 to 6.00 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 7.8 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 6e

*Land capability classification (nonirrigated):* 6c

*Hydrologic Soil Group:* A

*Ecological site:* Dry Mountain Loam (R048AY231CO)

*Hydric soil rating:* No

## Description of Fluetsch

### Setting

*Landform:* Alluvial fans

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Calcareous alluvium derived from sandstone and shale

### Typical profile

*H1 - 0 to 10 inches:* sandy loam

*H2 - 10 to 30 inches:* sandy clay loam

*H3 - 30 to 60 inches:* sandy loam

### Properties and qualities

*Slope:* 2 to 15 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 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:* 10 percent

*Available water storage in profile:* Moderate (about 7.4 inches)

### Interpretive groups

*Land capability classification (irrigated):* 6e

*Land capability classification (nonirrigated):* 6c

*Hydrologic Soil Group:* B

*Ecological site:* Valley Bench (R048AY278CO)

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Jackson County Area, Colorado

Survey Area Data: Version 8, Oct 12, 2017