

Jackson County Area, Colorado

Ra—Randman sandy loam

Map Unit Setting

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

Map Unit Composition

Randman and similar soils: 90 percent
Minor components: 5 percent

Description of Randman

Setting

Landform: Benches, terraces, terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or noncalcareous outwash

Properties and qualities

Slope: 1 to 4 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly 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: About 0 to 6 inches
Frequency of flooding: Rare
Frequency of ponding: None
Available water capacity: Low (about 4.8 inches)

Interpretive groups

Farmland classification: Farmland of statewide importance
Land capability classification (irrigated): 6w
Land capability (nonirrigated): 6w
Hydrologic Soil Group: D

Typical profile

0 to 6 inches: Sandy loam
6 to 30 inches: Gravelly sandy clay loam
30 to 60 inches: Very gravelly sand

Minor Components

Eachuston

Percent of map unit: 5 percent
Landform: Terraces

Landform position (three-dimensional): Tread

Data Source Information

Soil Survey Area: Jackson County Area, Colorado
Survey Area Data: Version 5, Jul 29, 2008

Jackson County Area, Colorado

CyF—Cryorthents, steep

Map Unit Setting

Elevation: 7,980 to 9,200 feet

Mean annual precipitation: 15 to 20 inches

Mean annual air temperature: 30 to 37 degrees F

Frost-free period: 25 to 40 days

Map Unit Composition

Cryorthents and similar soils: 95 percent

Description of Cryorthents

Setting

Landform: Ridges, terraces

Landform position (three-dimensional): Upper third of mountain flank, crest

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Cobbly sandstone and shale

Properties and qualities

Slope: 15 to 70 percent

Depth to restrictive feature: 5 to 40 inches to lithic bedrock

Drainage class: Well drained

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

Available water capacity: Very low (about 1.5 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: Dry Exposure (R048AY235CO)

Typical profile

0 to 4 inches: Cobbly loam

4 to 8 inches: Cobbly loam

8 to 15 inches: Very cobbly loam

15 to 19 inches: Unweathered bedrock

Data Source Information

Soil Survey Area: Jackson County Area, Colorado

Survey Area Data: Version 5, Jul 29, 2008

Jackson County Area, Colorado

Fe—Fleer loam

Map Unit Setting

Elevation: 7,800 to 9,000 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 36 to 38 degrees F
Frost-free period: 30 to 40 days

Map Unit Composition

Fleer and similar soils: 90 percent

Description of Fleer

Setting

Landform: Flood plains, stream terraces
Landform position (three-dimensional): Talf, dip, rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous alluvium

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: About 0 to 6 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water capacity: Low (about 5.3 inches)

Interpretive groups

Farmland classification: Farmland of statewide importance
Land capability classification (irrigated): 5c
Land capability (nonirrigated): 6c
Hydrologic Soil Group: D
Ecological site: Mountain Meadow (R048AY241CO)

Typical profile

0 to 11 inches: Loam
11 to 30 inches: Fine sandy loam
30 to 60 inches: Very gravelly loamy sand

Data Source Information

Soil Survey Area: Jackson County Area, Colorado
Survey Area Data: Version 5, Jul 29, 2008