

Rio Blanco County Area, Colorado

58—Parachute loam, 25 to 75 percent slopes

Map Unit Setting

National map unit symbol: jp5l

Elevation: 7,500 to 8,700 feet

Mean annual precipitation: 18 to 22 inches

Mean annual air temperature: 37 to 39 degrees F

Frost-free period: 45 to 75 days

Farmland classification: Not prime farmland

Map Unit Composition

Parachute and similar soils: 85 percent

Minor components: 15 percent

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

Description of Parachute

Setting

Landform: Mountainsides, ridges

Landform position (three-dimensional): Mountainflank

Down-slope shape: Concave, linear

Across-slope shape: Concave, linear

Parent material: Residuum weathered from sandstone

Typical profile

H1 - 0 to 4 inches: loam

H2 - 4 to 24 inches: loam, channery loam

H2 - 4 to 24 inches: very channery loam, very channery sandy loam, extremely channery sandy loam

H3 - 24 to 38 inches: unweathered bedrock

H3 - 24 to 38 inches:

H3 - 24 to 38 inches:

H4 - 38 to 42 inches:

Properties and qualities

Slope: 25 to 75 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Runoff class: Very high

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: High (about 9.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: C
Ecological site: R048AY238CO
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 15 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Rio Blanco County Area, Colorado
Survey Area Data: Version 15, Jun 5, 2020

Rio Blanco County Area, Colorado

76—Rhone loam, 30 to 75 percent slopes

Map Unit Setting

National map unit symbol: jp67
Elevation: 7,600 to 8,600 feet
Mean annual precipitation: 18 to 22 inches
Mean annual air temperature: 37 to 39 degrees F
Frost-free period: 45 to 75 days
Farmland classification: Not prime farmland

Map Unit Composition

Rhone and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Rhone

Setting

Landform: Ridges, mountainsides
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Mountainflank
Down-slope shape: Linear, concave
Across-slope shape: Linear, concave
Parent material: Colluvium and/or residuum weathered from sandstone

Typical profile

H1 - 0 to 24 inches: loam
H2 - 24 to 50 inches: channery sandy clay loam, very channery sandy clay loam, very channery loam
H2 - 24 to 50 inches: unweathered bedrock
H2 - 24 to 50 inches:
H3 - 50 to 54 inches:

Properties and qualities

Slope: 30 to 75 percent
Depth to restrictive feature: 40 to 60 inches to lithic bedrock
Drainage class: Well drained
Runoff class: High
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: High (about 11.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B
Ecological site: R048AY238CO
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 15 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Rio Blanco County Area, Colorado
Survey Area Data: Version 15, Jun 5, 2020

Rio Blanco County Area, Colorado

87—Starman-Vandamore complex, 5 to 40 percent slopes

Map Unit Setting

National map unit symbol: jp6m
Elevation: 7,500 to 8,900 feet
Mean annual precipitation: 18 to 22 inches
Mean annual air temperature: 37 to 39 degrees F
Frost-free period: 45 to 75 days
Farmland classification: Not prime farmland

Map Unit Composition

Starman and similar soils: 50 percent
Vandamore and similar soils: 40 percent
Minor components: 10 percent
*Estimates are based on observations, descriptions, and transects of
the mapunit.*

Description of Starman

Setting

Landform: Ridges, ridges
Landform position (three-dimensional): Mountainflank
Down-slope shape: Linear, convex
Across-slope shape: Linear, convex
Parent material: Residuum weathered from shale

Typical profile

H1 - 0 to 2 inches: channery loam
H2 - 2 to 17 inches: very channery loam, extremely channery loam
H2 - 2 to 17 inches: unweathered bedrock
H3 - 17 to 21 inches:

Properties and qualities

Slope: 5 to 20 percent
Depth to restrictive feature: 3 to 20 inches to lithic bedrock
Drainage class: Well drained
Runoff class: High
*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
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0
mmhos/cm)
Available water capacity: Very low (about 2.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D

Ecological site: R048AY235CO - Dry Exposure
Hydric soil rating: No

Description of Vandamore

Setting

Landform: Ridges
Landform position (three-dimensional): Mountainflank
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum weathered from shale

Typical profile

H1 - 0 to 4 inches: channery loam
H2 - 4 to 25 inches: very channery loam, extremely channery loam,
very channery fine sandy loam
H2 - 4 to 25 inches: unweathered bedrock
H2 - 4 to 25 inches:
H3 - 25 to 29 inches:

Properties and qualities

Slope: 5 to 40 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Runoff class: Very high
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 content: 10 percent
Available water capacity: Low (about 5.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R048AY235CO - Dry Exposure
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 10 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Rio Blanco County Area, Colorado
Survey Area Data: Version 15, Jun 5, 2020