



Rio Blanco County Area, Colorado

42—Irigul channery loam, 5 to 50 percent slopes

Map Unit Setting

National map unit symbol: jp51

Elevation: 7,600 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

Irigul and similar soils: 85 percent

Minor components: 15 percent

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

Description of Irigul

Setting

Landform: Ridges, mountainsides

Landform position (three-dimensional): Mountainflank

Down-slope shape: Linear, convex

Across-slope shape: Linear, convex

Parent material: Residuum weathered from sandstone and shale

Typical profile

H1 - 0 to 5 inches: channery loam

H2 - 5 to 12 inches: very channery loam, very channery clay loam, extremely channery loam

H2 - 5 to 12 inches: unweathered bedrock

H2 - 5 to 12 inches:

H3 - 12 to 16 inches:

Properties and qualities

Slope: 5 to 50 percent

Depth to restrictive feature: 5 to 20 inches to lithic bedrock

Drainage class: Well drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: R048AY303CO - Loamy Slopes

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 16, Sep 2, 2021

Rio Blanco County Area, Colorado

43—Irigul-Parachute complex, 5 to 30 percent slopes

Map Unit Setting

National map unit symbol: jp52

Elevation: 7,600 to 8,500 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

Irigul and similar soils: 60 percent

Parachute and similar soils: 30 percent

Minor components: 10 percent

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

Description of Irigul

Setting

Landform: Ridges, mountainsides

Landform position (three-dimensional): Mountainflank

Down-slope shape: Linear, convex

Across-slope shape: Linear, convex

Parent material: Residuum weathered from sandstone and shale

Typical profile

H1 - 0 to 5 inches: channery loam

H2 - 5 to 12 inches: very channery loam, very channery clay loam, extremely channery loam

H2 - 5 to 12 inches: unweathered bedrock

H2 - 5 to 12 inches:

H3 - 12 to 16 inches:

Properties and qualities

Slope: 5 to 30 percent

Depth to restrictive feature: 5 to 20 inches to lithic bedrock

Drainage class: Well drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: R048AY303CO - Loamy Slopes
Hydric soil rating: No

Description of Parachute

Setting

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

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: 5 to 30 percent
Depth to restrictive feature: 20 to 40 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 supply, 0 to 60 inches: High (about 9.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: C
Ecological site: R048AY228CO - Mountain Loam
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 16, Sep 2, 2021

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

Natural 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 storage in profile: High (about 9.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: C
Ecological site: Brushy Loam (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 14, Sep 13, 2019

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: Convex, linear

Across-slope shape: Convex, linear

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

Natural 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

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: 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: Dry Exposure (R048AY235CO)
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
Natural 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 in profile: 10 percent
Available water storage in profile: Low (about 5.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: Dry Exposure (R048AY235CO)
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 14, Sep 13, 2019