

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: Mountainsides, ridges

Landform position (three-dimensional): Mountainflank

Down-slope shape: Convex, linear

Across-slope shape: Convex, linear

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

Natural 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 storage in profile: 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: Loamy Slopes (R048AY303CO)

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

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

Available water storage in profile: High (about 9.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: C

Ecological site: Mountain Loam (R048AY228CO)

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