

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

53—Parachute-Rhone loams, 5 to 30 percent slopes

Map Unit Setting

National map unit symbol: jnyp

Elevation: 7,600 to 8,600 feet

Farmland classification: Not prime farmland

Map Unit Composition

Parachute and similar soils: 55 percent

Rhone and similar soils: 30 percent

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

Description of Parachute

Setting

Landform: Mountainsides, ridges

Landform position (three-dimensional): Mountainflank, mountaintop

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Marl and/or residuum weathered from sandstone

Typical profile

H1 - 0 to 5 inches: loam

H2 - 5 to 18 inches: loam

H3 - 18 to 29 inches: extremely channery loam

H4 - 29 to 33 inches: unweathered bedrock

Properties and qualities

Slope: 5 to 30 percent

Depth to restrictive feature: 20 to 40 inches to paralithic 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: Low (about 3.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: C

Ecological site: Mountain Loam (R048AY228CO)

Description of Rhone

Setting

Landform: Mountainsides, ridges

Landform position (three-dimensional): Mountainflank, mountaintop

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Marl and/or residuum weathered from sandstone

Typical profile

H1 - 0 to 8 inches: loam

H2 - 8 to 28 inches: sandy clay loam

H3 - 28 to 52 inches: very channery sandy clay loam

H4 - 52 to 56 inches: unweathered bedrock

Properties and qualities

Slope: 5 to 20 percent

Depth to restrictive feature: 40 to 60 inches to paralithic bedrock

Natural drainage class: Well drained

Runoff class: Medium

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: Moderate (about 6.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B

Ecological site: Mountain Loam (R048AY228CO)

Data Source Information

Soil Survey Area: Rifle Area, Colorado, Parts of Garfield and Mesa Counties

Survey Area Data: Version 8, Sep 22, 2014

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

36—Irigul channery loam, 9 to 50 percent slopes

Map Unit Setting

National map unit symbol: jny2

Elevation: 7,800 to 8,700 feet

Farmland classification: Not prime farmland

Map Unit Composition

Irigul and similar soils: 85 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

Across-slope shape: Convex

Parent material: Marl and/or residuum weathered from sandstone

Typical profile

H1 - 0 to 6 inches: channery loam

H2 - 6 to 17 inches: extremely channery sandy clay loam

H3 - 17 to 21 inches: unweathered bedrock

Properties and qualities

Slope: 9 to 50 percent

Depth to restrictive feature: 10 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):

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 1.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: Loamy Slopes (R048AY303CO)

Data Source Information

Soil Survey Area: Rifle Area, Colorado, Parts of Garfield and Mesa Counties
Survey Area Data: Version 8, Sep 22, 2014