

Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties

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

Map Unit Setting

National map unit symbol: jnw7

Elevation: 7,600 to 8,800 feet

Mean annual precipitation: 18 to 22 inches

Mean annual air temperature: 36 to 40 degrees F

Frost-free period: 45 to 75 days

Farmland classification: Not prime farmland

Map Unit Composition

Parachute and similar soils: 55 percent

Rhone and similar soils: 35 percent

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

Description of Parachute

Setting

Landform: Mountains

Landform position (two-dimensional): Summit, shoulder

Landform position (three-dimensional): Mountaintop

Down-slope shape: Linear

Across-slope shape: Convex

Parent material: Hard residuum weathered from sandstone and siltstone

Typical profile

H1 - 0 to 10 inches: loam

H2 - 10 to 25 inches: very channery loam

H3 - 25 to 29 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: Very low (about 2.8 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: Mountains, hills

Landform position (two-dimensional): Foothlope, shoulder, summit, backslope

Landform position (three-dimensional): Mountainflank, side slope

Down-slope shape: Concave

Across-slope shape: Concave

Parent material: Colluvium derived from sandstone and shale and/or residuum weathered from sandstone and shale

Typical profile

H1 - 0 to 10 inches: loam

H2 - 10 to 39 inches: channery loam

H3 - 39 to 55 inches: very channery loam

H4 - 55 to 59 inches: unweathered bedrock

Properties and qualities

Slope: 5 to 30 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 7.5 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: Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties

Survey Area Data: Version 7, Sep 22, 2014