

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: 60 to 70 days

Farmland classification: Not prime farmland

Map Unit Composition

Parachute and similar soils: 55 percent

Rhone and similar soils: 35 percent

Minor components: 10 percent

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

Description of Parachute

Setting

Landform: Mountain slopes

Landform position (three-dimensional): Mountaintop

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Colluvium over residuum weathered from sandstone and shale

Typical profile

A - 0 to 10 inches: loam

Bw - 10 to 25 inches: very channery loam

R - 25 to 59 inches: bedrock

Properties and qualities

Slope: 5 to 30 percent

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

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.57 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: Low (about 3.9 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: Mountain slopes

Landform position (three-dimensional): Mountaintop

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Colluvium over residuum weathered from
sandstone and shale

Typical profile

A1 - 0 to 10 inches: loam

A2 - 10 to 39 inches: channery loam

C - 39 to 55 inches: very channery loam

R - 55 to 60 inches: bedrock

Properties and qualities

Slope: 5 to 30 percent

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

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Low to
moderately high (0.01 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Salinity, maximum in profile: Nonsaline (0.0 to 1.0 mmhos/cm)

Available water storage in profile: Moderate (about 8.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B

Ecological site: Mountain Loam (R048AY228CO)

Minor Components

Irigul

Percent of map unit: 5 percent

Landform: Mountain slopes

Landform position (three-dimensional): Mountaintop

Down-slope shape: Linear

Across-slope shape: Convex

Ecological site: Loamy Slopes (R048AY303CO)

Adel

Percent of map unit: 5 percent

Landform: Swales

Landform position (three-dimensional): Mountaintop

Down-slope shape: Linear

Across-slope shape: Concave

Ecological site: Subalpine Loam (R048AY250CO)

Data Source Information

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

Survey Area Data: Version 8, Sep 22, 2015