

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

71—Villa Grove-Zoltay loams, 15 to 30 percent slopes

Map Unit Setting

Elevation: 7,500 to 7,600 feet

Map Unit Composition

Villa grove and similar soils: 50 percent

Zoltay and similar soils: 40 percent

Description of Villa Grove

Setting

Landform: Mountainsides, alluvial fans

Landform position (three-dimensional): Lower third of mountainflank

Down-slope shape: Convex, linear

Across-slope shape: Convex, linear

Parent material: Mixed alluvium

Typical profile

H1 - 0 to 4 inches: slightly alkaline, loam

H2 - 4 to 15 inches: slightly alkaline, clay loam

H3 - 15 to 60 inches: moderately alkaline, loam

Properties and qualities

Slope: 15 to 30 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high (0.20 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 15 percent

Salinity, maximum in profile: Nonsaline to slightly saline (2.0 to 8.0 mmhos/cm)

Available water storage in profile: Moderate (about 8.1 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: C

Ecological site: Brushy Loam (R048AY238CO)

Description of Zoltay

Setting

Landform: Alluvial fans, mountainsides

Landform position (three-dimensional): Lower third of mountainflank

Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Mixed alluvium

Typical profile

H1 - 0 to 19 inches: neutral, loam
H2 - 19 to 23 inches: neutral, cobbly clay loam
H3 - 23 to 36 inches: slightly alkaline, cobbly clay
H4 - 36 to 60 inches: moderately alkaline, cobbly clay

Properties and qualities

Slope: 15 to 30 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
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: 15 percent
Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: Moderate (about 7.5 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: C
Ecological site: Brushy Loam (R048AY238CO)

Data Source Information

Soil Survey Area: Rifle Area, Colorado, Parts of Garfield and Mesa Counties
Survey Area Data: Version 7, Dec 23, 2013