

Map Unit Description

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

45 Morval-Tridell complex, 6 to 25 percent slopes

Setting

Elevation: 6500 to 8000 feet

Composition

Morval and similar soils: 55 percent

Tridell and similar soils: 30 percent

Description of Morval

Setting

Landform: Mesas, alluvial fans

Down-slope shape: Convex, linear

Across-slope shape: Convex, linear

Parent material: Reworked alluvium derived from sandstone and/or reworked alluvium derived from basalt

Properties and Qualities

Slope: 6 to 12 percent

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate maximum: 25 percent

Gypsum maximum: 0 percent

Available water capacity: Moderate (about 8.4 inches)

Interpretive Groups

Land capability (non irrigated): 4e

Ecological site: Deep Loam (R048AY292CO)

Typical Profile

0 to 5 inches: loam

5 to 17 inches: clay loam

17 to 27 inches: stony clay loam

27 to 60 inches: stony loam

Description of Tridell

Setting

Landform: Alluvial fans, mesas

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Reworked alluvium derived from sandstone and/or reworked alluvium derived from basalt

Properties and Qualities

Slope: 6 to 25 percent

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 6.00 in/hr)

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate maximum: 30 percent

Gypsum maximum: 0 percent

Available water capacity: Low (about 5.2 inches)

Interpretive Groups

Land capability (non irrigated): 6e

Typical Profile

0 to 10 inches: stony loam

10 to 60 inches: very stony loam

Map Unit Description

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

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

Setting

Elevation: 7500 to 7600 feet

Composition

Villa grove and similar soils: 50 percent
Zoltay and similar soils: 40 percent

Description of Villa grove

Setting

Landform: Alluvial fans, mountainsides
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Mixed alluvium

Properties and Qualities

Slope: 15 to 30 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Salinity maximum: Non saline or slightly saline (2.0 to 8.0 mmhos/cm)
Available water capacity: Moderate (about 8.1 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Brushy Loam (R048AY238CO)

Typical Profile

0 to 4 inches: loam
4 to 15 inches: clay loam
15 to 60 inches: loam

Description of Zoltay

Setting

Landform: Alluvial fans, mountainsides
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Mixed alluvium

Properties and Qualities

Slope: 15 to 30 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 7.5 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Brushy Loam (R048AY238CO)

Typical Profile

0 to 19 inches: loam
19 to 23 inches: cobbly clay loam
23 to 36 inches: cobbly clay
36 to 60 inches: cobbly clay