NRCS 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