

Map Unit Description

Rifle Area, Colorado, Parts of Garfield and Mesa Counties

69 Vale silt loam, 6 to 12 percent slopes

Setting

Elevation: 5000 to 7200 feet

Composition

Vale and similar soils: 90 percent

Description of Vale

Setting

Landform: Alluvial fans, benches, mesas
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Calcareous eolian deposits

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: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.5 inches)

Interpretive Groups

Land capability classification (irrigated): 4e
Land capability (non irrigated): 4e
Ecological site: Deep Loam (R048AY292CO)

Typical Profile

0 to 7 inches: silt loam
7 to 11 inches: silt loam
11 to 26 inches: silty clay loam
26 to 60 inches: silt loam